



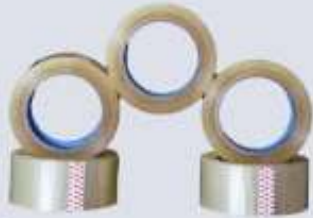
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FRIO CLEAR TAPE



FRIO BROWN TAPE



SHRINK WRAP



**CORRUGATED
CARTON**



YELLOW STRAP



DATA LOGGER



3 MM DRY ICE PELLETS



16 MM DRY ICE PELLETS



**DRY ICE BLOCK
500 GMS**



GEL ICE B



GEL ICE POUCH



**FRIO GEL ICE
BLANKET**



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COLD
GEL PACK



OUR PRODUCTS

ABOUT US

- 1 Under the chief guidance and mentorship of our CEO – Mr. Elan Van, we are the leading manufacturers, exporters and wholesalers of a wide variety of temperature control products – since more than a decade now.
- 2 These products include: Gel Ice Packs, Helmet Ice Pack, Eye Care Cool Packs, Insulated Vaccine Carriers, Cooling Patch, Vaccine Carrier Box, Sea Food Gel Ice Packs, Foam Brick, Hot and Cold Gel Blanket, Polar Pack Gel Bottles, Gel Ice Flower Packs, Super Absorbent Polymers, and much more in the Cold Chain Equipment department.
- 3 The best of raw material is used to make these products from technologically sound machines and infrastructure. Our fully integrated plant is equipped with all the modern facilities to transform an idea / plan into a product.
- 4 In other words, Gel Frost Packs makes sure to provide the best products to our customers. We also provide customized products as per the needs and requirements of our clients.
- 5 Our state-of-the-art manufacturing unit based in Sydney well equipped with the best of machines is our greatest strength, which facilitates smooth and efficient functioning of our organization.
- 6 Gel Frost Packs exports its products to many countries such as Saudi Arabia, Sri Lanka, Maldives, Singapore, Malaysia, Singapore and many more in the list.
- 7 Gelice Frost Packs believes in executing and managing all orders in the assured time frame. Our utmost priority is to provide the best quality of our products to the end customers.
- 8 We have the intense desire of achieving maximum customer satisfaction and thereby, we assure – safe, accurate and timely delivery of our range of products through a well-connected distribution network.

GEL ICE COLD PACKS

A Gel Ice Cold Pack refers to a portable bag filled with water, any liquid or refrigerant gel that's provides cooling. These are of two types: (A) Reusable Type: which can be reused by freezing and (B) Instant Type: which cools through chemicals and can be used only once.

The reusable type is mainly used to keep food in portable coolers and in insulated shipping (to keep products cool in transport) whereas the instant type is limited to medical use against pain and minor injuries. It is well noted that ice packs are found in millions of homes and are used for various different purposes such as keeping food cold and icing an injury. Depending on the type of ice cold pack, there are different ingredients in it and these packs come in different forms. Some

are n cute shapes with gel-like beads in them. Other ice packs are soft when thawed and solid when frozen. There are also 'instant ice packs' found in first aid kits, which are normally stored in room temperature.

The instant ice packs are most commonly used and these are filled with water and a chemical reactor. It should be well noted that when this bag is squeezed, water tends to interact well with the chemical to start a reaction that lowers the temperature of water to almost freezing temperature. The chemicals herewith are chiefly urea, calcium ammonium nitrate or ammonium nitrate. The most toxic chemical is ammonium nitrate which can cause dilation of blood vessels. This in turn can lower the blood pressure and reduce the amount of blood circulating to different body organs. This can also lead to impairment in the oxygen carrying ability of RBCs in the body - a condition termed as methemoglobinemia. At times, it can lead to complete destruction of the RBCs - a condition termed as hemolysis. The symptoms of hemolysis and methemoglobinemia includes bluish lips or nail beds, headache, fatigue, shortness of breath and dizziness.

The reusable ice packs normally contain water, blue color non-toxic agent and silica gel. The ingredient used to lower the temperature is normally propylene glycol. There are other kinds of reusable ice products which come in different forms such has ice cubes and ice packs filled with small gel beads. These are normally filled with distilled water. Some reusable ice packs contain toxic substances such as diethylene glycol or ethylene glycol, which are no longer available.

The gel ice packs are used as 'Ice Replacement Solution' for cold chain shipping and packaging. It needs to be noted and well understood that gel ice packs are eco-friendly as well as non-toxic in nature. These gel ice packs are ideal for shipping of temperature sensitive products. Gel ice packs keep foods, perishables, pharmaceuticals and other temperature sensitive products cold and fresh during storage, cold chain packaging and shipping.

The gel ice packs are simple to use. These need to be placed in the freezer and when they are frozen, they can be applied to products to keep them cold and fresh. Gel Ice Packs are ideal to be used in – Ready made meals, perishables, seafood, meat, poultry products, fruits and vegetables, chocolates, flowers, fresh/ frozen foods, serums, vaccines, antibiotics and many other temperature sensitive products.



The use of gel ice packs has many advantages associated with them. They keep the food safe, eco-friendly and non-toxic. They keep the products colder for longer. Gel ice packs ensure that food and other products arrive in a fresh and appealing state. These packs can be used many times and can be kept clean without any mess or leakage.

These gel ice packs are used as an alternative to messy ice. These are simple to use as well as cost-effective. These are known to have high quality and strong seals and have high performance freezing capabilities. These gel ice packs are indeed ideal for local, interstate or international transport.

DRY ICE PACK

Dry Ice Packs are placed inside packages which contain cold or frozen products that need to be kept cool. These goods include seafood, meat, fresh produce, medical supplies and other temperature sensitive products (where the quality is prone to be compromised when exposed to heat).

The Dry Ice Gel Packs are very easy to handle and are a perfect replacement of ice. They do not leave any mess behind like ice. These ice packs can be used for upto 7 times longer time than ice. Dry ice pack is usually a flexible sheet of dimension 29X20 cm, 2mm thick and weighs about 40 grams. Once these dry ice gel packs get activated, they are about 900 grams in weight and shrink to 3 cms thick and 25X20 cm dimension.

Dry Ice Packs can be cut to required size, can be flexible and frozen upto 7 times longer than ice. These packs are delivered in dehydrated form. These need to be soaked in water, so the cells can be activated and become an ice pack. Once the ice sheet is hydrated completely, it can be repeatedly used like any other ice pack.

The Dry Ice Packs are designed in such a manner that they work on perforation technology. The minute holes present in the pack absorb water, react with the polymer. Once the polymer is hydrated, they grow to a larger size than the holes in the textile and plastic. In other words, the ice pack does not need to be cut to be soaked in water.

Once the ice pack is hydrated, the sheet tends to reduce in length and breadth. The sheet reduces by almost 3 cm on the length and 3 cm on the breadth depending on how well the sheets are hydrated. Once the dry ice packs are ready to use, you may place them in a freezer for about 3-4 hours. The hydrated sheet can be kept in the freezer for about 24 hours. The colder you can freeze the dry ice pack, the longer do these tend to last.



HDPE ICE PACK BOTTLE

The HDPE Gel Ice Pack Bottles are used for transportation of Fishes, Prawns, Crabs, Meat and Poultry. These ice pack bottles are available in different sizes. The specifications of HDPE ice pack bottle: :



The HDPE Ice Pack Bottles are non-hazardous and bio-friendly in nature. These help in preserving the freshness of perishables. These bottles are an ideal alternative for dry and wet ice transportation and non-permanent storage. These are normally non-toxic in nature and can absorb a considerable amount of heat and are thus very effective for temperature control. Its hard cover can maintain its shape, maintain temperature for longer, and there are less chances of any kind of damage. These are actually reusable hard gel ice bottles.

We have been able to offer our customers with a qualitative range of HDPE Ice Pack Bottles that are used to keep temperature-sensitive products absolutely safe during transportation. These bottles are well designed by our skilled professionals using the best quality of HDPE material that is procured from authentic vendors of the market. These HDPE bottles are well tested against various parameters so as to deliver the best range at the user's end. The HDPE bottles are flexible, have sturdy construction, and are best for cold storage transportation.

POLAR GEL PACKS

Polar gel ice packs are used for temporary storage and transport in insulated containers. These are designed well to maintain food, perishables and medications at refrigerated or chilled temperatures. These packs can be reused or even discarded / disposed when no longer needed. The polar gel packs are non-toxic in nature and can be stored / frozen at room temperature.

The Polar Ice Packs assist with reliable non-mechanical refrigeration for safe transport of medical products, food products and other pharmaceuticals. These gel packs are known to be multi layered with protect them from moisture damage. The Polar Ice Packs are made of Super Absorbent Polymer Gel and are known to keep temperature sensitive products safe during transportation. As compared to dry or wet ice, the polar gel packs have a very high cold-retention capacity. Polar Ice Gel is a very reliable and effective method for Cryotherapy which is a powerful way to relieve pain and discomfort caused by many different conditions and ailments.

It needs to be noted and well understood that icing reduces the soreness or aching of the area where there is inflammation. It temporarily numbs the affected area and limits the strength of pain signals reaching the brain. Also, it is well understood that coldness constricts the blood vessels and lowers fluid and blood flow build up. Thus, cryotherapy is used to reduce inflammation or swelling and can give few moments of relief.

The most common applications of cryotherapy include: Arthritis, Shin Splints, Tendonitis, Surgery Recovery and Rehabilitation, Ligament Damage, Muscle Strains, Plantar Fasciitis, and few more to add on in this list. Icing can be helpful alongside with other medications. It is to be noted that polar ice products are different as they are well designed to conform to a specific area of the body and the unique waffling of the ice pack ensures that the ice stays where you need it. No matter what the issue is, the polar ice pack reduces the pain and discomfort as much as realistically possible.

VACCINE ICE PACKS

Vaccines are transported for many reasons whether it is to bring vaccines to a satellite site or to move vaccines prior to a storm or other event that triggered an emergency management plan. Vaccine packs are used for transporting them with ice packs to keep them cool. Vaccines need to be properly frozen and this is a common and inexpensive method for packing and transporting vaccines. However, transporting vaccines with ice packs is not always recommended at every situation.

Packing vaccines for transport have really changed over the years. There are new options available besides using standard ice packs. The latest coolers are poised to make life much better. Many nurses and health practitioners are becoming aware of PCM Vaccine Carriers made for vaccine transport that are portable and easy to pack and can maintain vaccines for about 3 days in appropriate temperature range.

The traditional food and beverage coolers are not designed to transport temperature sensitive materials such as vaccines. These coolers are designed to keep cold air from escaping a confined space. Vaccine Carrier is a qualified container and pack out that uses PCM and VIP Technology to protect vaccines from freezing and keep them in temperature range for 3 days.

Packing vaccines in coolers with ice packs requires special precautions. There are many variations and instructions given for the same. The main principle is to ensure that the refrigerated vaccines are not in direct contact with the ice packs and there is enough of a barrier between the two so that vaccines have no chance of developing any crystals of ice as even the slightest bit of freezing of refrigerated vaccines can render them unusable. It is important to make sure that the ice packs are frozen and properly conditioned before using them.

There are some things to remember to move your vaccines:

1. Use an Accurate Temperature Monitoring Device

As you're moving vaccines, you should always be able to monitor the temperature within your cooler. This way you can see if there are any temperature changes within the cooler without disturbing the vaccines.

At the same time, your temperature monitor needs to be accurate. It should be calibrated to have an accuracy of +/-0.5 degrees Celsius, or +/-1 degree Fahrenheit.

2. It is important to transport your vaccine carrier or vaccine cooler in the car with you, not in the trunk of the vehicle.



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HELMET ICE PACK

Meta Description: Learn more about our Helmet Ice Pack products that are revolutionary for your cold throbbing headaches; Reusable, cost-effective, and non-toxic.

Helmet Gel Packs

Are you looking for a solution to headaches and discomfort during migraines? Then, get on board with us for an effective solution!

We have the solution you are looking for to reduce discomfort and pain during migraines and head injuries and soothe your mind to be stress-free. Indulge in an amazing experience of calming your nerves and improving blood flow to your brain by using our Helmet Ice Pack. Our Helmet Ice packs are designed based on your skull contour to provide the best fit and provide you with the experience of soothing your headache. You don't need spa therapy to reduce headaches; our Helmet ice pack can do the needful and reduce the strain on your mind.

Why should you use our Helmet Gel Packs?

Our Helmet Gel packs are carefully designed and engineered to allow a longer cooling period. Besides this, we have ensured that the gel is not toxic and is sealed in an air-tight packaging that avoids leakage. This ensures that the product can be reused multiple times and that hygiene can be maintained while reusing the helmet ice packs on multiple events. Our Helmet Gel Packs can also be customized based on your requirements, and our team will get it done for you. The best part is that you only make a one-time investment and don't invest in any other product to tackle migraine discomfort, the strain on your head, and more. Check out our product to know more about this!

A stress-free mind is a wise mind! Invest in a wise mind by buying our Helmet Gel Packs

Your mind is your crown and the most important part of your body. But unfortunately, it can get overwhelming sometimes or be subjected to minor injuries while playing sports. Well, you can't always wear a helmet. Besides, our Helmet Ice Gel packs are exactly what you need to tackle such situations when your head feels strained, experiencing throbbing migraines, and soothing an injury. You can wear this ice gel helmet pack and see your head feel relaxed, especially while taking a nap.

Top reasons why we are the ideal solution for Helmet Gel packs;

- Non-toxic and easy maintenance of gel packs.
- Cold temperature for a longer duration.
- Air-tight packaging which avoids leakage.
- Reusable and promotes sustainability.
- Cost-effective and one-time solution.

Helmet Ice Pack: A revolutionary solution to your headaches & head injuries.

Want to know why you should rely on us and use our Helmet Ice Pack product; Here are some of the top attributes that will convince your mind.

Comfortable Design

Our Helmet Ice Packs are designed to be quite comfortable and have a great fit. You will not experience any irritation, and it has enough room for maintenance and cleaning for hygiene purposes.

Reusable Packs

The best part is that you can use these packs for every headache, injury, or migraine encountered as it is designed to be reusable. All you have to do is freeze the packs and use them whenever you need them.

Customization Options

Based on your personalized needs, we can work around providing you options based on your needs to help you get the ice packs customized to your opinions.

One-time investment

You don't have to keep going to the spa to feel relaxed or search for a product to massage your head as the Helmet Ice pack is the best solution. It is a one-time investment, and you can reuse them again.

Non-toxic and Air Tight Packaging

The compound used for the gel is non-toxic and packaged to be air-tight, which prevents leakage and maintains good hygiene for reusability with longer durability.

Why choose us to buy Helmet Ice Packs?

Our Helmet Ice pack product is designed keeping in mind the requirements of our customers and provides them with a solution to their headaches. This inspired us to create an effective product that is cost-effective, reusable, and has low-cost maintenance. We have a major manufacturing unit in Sydney, which is our greatest asset allowing us to provide timely delivery, high-quality

products, customization options, and a workforce that understands your needs. Hence, you can rely on us for the best quality Helmet Ice packs. Our clients are also based in Singapore, Saudi Arabia, Sri Lanka, Maldives, Malaysia, and many more. Besides the Helmet ice pack product, we also have various products for very cold chain transit solutions catering to seafood transport, vaccine transport, healthcare, and other temperature-sensitive products.

FAQs

1) Can we reuse the Helmet Ice packs?

Absolutely, that is one of the main reasons why you should buy Helmet ice packs.

2) What is special about the Helmet ice packs?

You can reuse it every time you experience a strained headache.

3) Do you customize the Helmet ice packs based on personal requirements?

Yes, we can easily customize our Helmet Ice packs based on your requirements.

4) Why should I invest in Helmet Ice packs?

Helmet Ice packs are a one-time investment allowing you to establish a solution for your migraine symptoms, headaches, sports-related physical injuries, and more.

SUPER ABSORBENT POLYMERS

Meta: With globally recognized Certification and premium quality technology, we provide the best Super Absorbent Polymer in the industry.

Super Absorbent Polymers or SAP

Super absorbent polymer or SAP is a material that can absorb hundreds to several thousand times its weight in water. When this material is subjected to pressure, the polymer can retain the absorbed liquid.

Super absorbent polymers are materials made up of polymerized chains of acrylic acid combined with a base such as sodium hydroxide and an initiator to form Polyacrylic acid sodium salt. Sodium polyacrylate or Polyacrylic acid sodium salt is one of the most common types of super absorbent polymer used in industries.

About Super Absorbent Polymers

Super absorbent polymers are made up of flexible polymer chains crosslinked. These crosslinking polymer chains are shrunk in their native form, and when they come in contact with water or any liquid material, they change their size and expand. As a result, trap water molecules between their networks. Super absorbent polymers find an array of applications right from agriculture for changing the water holding capacities of the soil to their use in sanitary products such as diapers and sanitary napkins to hold the waste material generated by the body.

Making of super Absorbent Polymers

At Gel frost packs, we have a branding strategy that incorporates technologically sound infrastructure and machines to bring our customers the best quality of products. Our products are manufactured from premium raw materials using advanced, technologically accredited machines.

We incorporate three important core technologies that form the foundation of superabsorbent polymers we generate for our valued customers.

The first technology includes precision and polymerization

The polymers we incorporate are captured from materials that have the power to undergo a precise polymerization reaction. We ensure that the particles of the polymers provide a high absorbency rate and increase the liquid retention capabilities by controlling the overall structure of the polymer.

Our second technology is based on controlling the particle shape of the polymer.

Our technology is advanced, and we ensure that a unique particle shape helps to transform the native structure into a tertiary structure for faster absorption and does not hold any leakage by providing surface dryness.

Our third technology is built for surface modifications.

With the high liquid permeability, we ensure surface modifications can be customized according to the needs of our customers. This enhances the overall usage of absorbent polymers. At the same time, we ensure that we include anti-bacterial and deodorization technologies that allow the useful development of a product that brings about maximum revenues to our customers.

Applications of Super Absorbent Polymers

Super absorbent polymers have a wide range of applications, and there are essentially four fields of industries that incorporate the heavy usage of super absorbent polymers.



Category

Medical industry

**Food and
transportation**

**Agricultural
industry**

**Sanitary And
Hygiene Products**

Application

Super absorbent polymers are used in medical liquid solidifiers. A solidifier is an easy-to-use polymer and, of course, an effective medical liquid that solidifies medical waste and converts the liquid medical waste into a gel substance. It helps you to easily discard liquid medical wastes without the need to be poured into other containers and reduces the use of incubation and distillation. They also reduced spillage and dusting. As a result, prevent cross-contamination.

Super absorbent polymers find they are away in large-scale production of ice packs which provide optimum temperatures to maintain the shelf life of perishable products. They are used in homes, communities, shops, commercial transport systems, shipping, and pharmaceutical usage. With products like vaccine ice packs, gel ice packs and Seafood gel ice bags, super absorbent polymers find their networks in almost all equipment departments.

Superabsorbent polymers are very important to change the structure of the soil, especially a type of soil which does not have a high water holding capacity. These polymers ensure that the agents are used to increase the soil's absorption power and enhance the overall quality of growth of plants or seeds that occur in these beds. In addition, they are also used as water holding sheets for the seed bed of various crops, including rice.

Super absorbent polymers find their way into disposable diapers, especially baby diapers and adult diapers. The material is sophisticated and undergoes a technologically advanced stage to bring about a thin layered sheet of absorbent polymers to ensure that there is high liquid retention and, at the same time, surface smoothness. It is also used in sanitary napkins for increased usage of napkins by allowing a maximum flow of blood to be absorbed without the formation of any bacterial contamination on the surface.

About us

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Applications of Super Absorbent Polymers

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Gel Frost packs was established in the year XXXX under the chief guidance and the mentorship of CEO Mr Elan Van. We are leading manufacturers, exporters and wholesalers of a wide variety of temperature control products which have gained a massive client appreciation for over a decade. We have an array of products prepared through premium quality raw materials. These products are controlled under premium temperature technology to meet various industries' demands and requirements. With well-equipped technologies and qualified experts, we ensure that we meet our client's requirements and, along with our features, develop a customized range of products for our customers. Furthermore, we ensure that our efforts are directed towards our clients with a client-centric approach along a wide distribution network built in countries including Saudi Arabia, Sri Lanka, Maldives, Singapore, Malaysia and many more. With an intense desire to maximize our customer satisfaction and needs, we assure you of safe, accurate and quick delivery of a range of products included in our distribution network.

Frequently asked questions

What are super Absorbent Polymers?

Super absorbent polymers are materials made up of polymerized chains of acrylic acid often combined with a base such as sodium hydroxide and an initiator to form polymerized chains of Polyacrylic acid sodium salt. Sodium polyacrylate or Polyacrylic acid sodium salt is one of the most common types of super absorbent polymer used in industries.

Super absorbent polymers have a wide range of applications, and there are essentially four fields of industries that incorporate the heavy usage of super absorbent polymers.

What is super absorbent material?

Super absorbent polymer or SAP is a material that can absorb hundreds to several thousand times its weight in water.

Are super absorbent polymers toxic?

Super absorbent polymers are non-toxic materials that do not cause irritation and are non-mutagenic. As a result, they are safe, and we can easily modify them, increasing their usage.

What are the uses of super absorbent materials?

They are used in various medical, agricultural, hygiene, food and transportation industries.

How much water can a superabsorbent polymer absorb?

A super absorbent polymer can absorb several 1000 times more water than its weight when this water is distilled, while the tap water containing many impurities finds its way into the absorbent polymer at around 300 times the weight of the Super Absorbent polymer.

How can I buy super absorbent polymers?

Let's have a conversation today. Call us at XXXXX or write to us to get a quotation.

COOLING PATCH

Cooling patch

Meta: We are a globally certified company, and with premium quality technology, we manufacture, supply and distribute fine-quality Cooling patches.

Cooling patch

Cooling patches are used specifically to give a cooling therapy and are designed to provide cooling relief, especially when an individual suffers from a fever, migraines, headaches and even hot flushes. These patches can be stuck to regions of pain, inflammation, injuries or even the forehead during bouts of high fever.

About cooling patches

Cooling patches are materials that provide relief during times of high fever or hot flushes. These patches are made up of fabric that adheres to the skin and allows for the easy movements of cold air across the linen of the patches and the skin and are specially designed for the forehead. Cooling patches do not need to be activated but come in ready-to-use packages. Depending upon the cooling patches, they can last for eight to 10 hours. This means these patches will be cool in their native structure even when kept at room temperatures. To apply these cooling patches, you must clear the area where you want this patch to adhere and then stick it onto the skin to get a soothing and cooling feeling.

Making of Cooling Patches

Gel frost packs ensure that it utilizes advanced technology that offers a high quality and extremely efficient product to give the best service to its customers. Cooling patches are designed to fit every part of the body and can be used for people of all ages. They have been uniquely made with hydrogels that work best to absorb the heat away and dissipate it into the air at a faster rate. Our cooling patches include innovative fabrics and materials that do not heat up easily; hence this cooling effect remains for a longer time and gives an effective usage. Cooling patches are more effective than a washcloth which will gradually get heated when kept at room temperature or against a body at high temperature. In addition, the hydrogels have been filtered and tested for maximum efficacy to ensure that they absorb heat at a faster rate and exponentially dissipate it into the atmosphere, thereby giving sufficient relief.

Cooling Patches for bouts of high fever

Cooling patches are convenient for reducing fever. Reports suggest that a cooling patch or a cold compress is the best alternative to reduce a high fever that does not go away even with proper medications.

Cooling patches to maintain body homeostasis

Cooling patches can also keep you warm when the external environment is harsh and heated. It is an essential tool that balances your body homeostasis by preventing you're your head or rather sensitive parts of your body from getting overheated. Cooling patches can also be utilized with precautions to keep your kids hydrated by maintaining comfort and coolness around them.

Cooling patches as a portable source of cooling

Cooling patches are a portable source of first aid kits, especially when you go out on holiday. However, if you plan a day out during the summer, you must take long first aid items and cooling patches to avoid overheating and the heat waves, especially at the beach. In addition, cooling patches are the best convenient and efficient alternate sources of regulating temperatures for infants. As their body can get heated up due to exhaustion, it is difficult to maintain the high fever levels that can even affect their brains. In such cases, a portable cooling patch is the best to have along with you, just like how you have a baby diaper to keep them cool and active throughout the day.

Discover the advantages of cooling patches Gel Frost packs

Cooling patches are a very good source of reducing the body temperature and providing coolness and comfort. They are portable, can be spontaneously used and last for several hours even if you are soaked in the sun. Discover the benefits of cooling patches from gel frost packs to protect your family and yourself from the heat waves and during times of inflammation or injuries.

About us

Gel frost packs are headed under the guidance and mentorship of our CEO, Elan Van. We are one of the most creditable manufacturers, exporters, suppliers and distributors of a high-quality Cooling patch. We ensure that our cooling patches are made of premium quality raw materials and are highly efficient. We work towards a custom-centric approach and use methods that give our clients and customers the highest productivity. We have a wide distribution network of countries, including Saudi Arabia, Sri Lanka, Maldives, Singapore, Malaysia and many more on the list. With an intense desire to maximize our customer satisfaction and needs, we are sure you will deliver safe, accurate and quick delivery of a range of products included in our distribution network. Frequently asked questions

What are cooling patches?

Cooling patches are materials that provide relief during times of high fever or hot flushes. These patches are made up of fabric that adheres to the skin and allows for the easy movements of cold air across the linen of the patches and the skin and are specially designed for the forehead.

How are cooling patches made?

At Gel Frost Packs, Cooling patches are made with an extremely advanced technology that incorporates uniquely made hydrogel to ensure that they absorb heat at a faster rate and exponentially dissipate it into the atmosphere, thereby giving sufficient relief.

When can I use cooling patches?

Cooling patches are used to reduce high fever, hot flushes, migraines, headaches, or even to get away with the summer heat waves.

For how long can I use cooling patches?

Cooling patches are used over eight to ten hours, depending on the type of cooling patch and its quality.

Where can I buy cooling patches?

At Gel Frost Packs, we offer high-quality and premium-made cooling patches that give you a long and sustained relief.

Let's have a conversation today.

Dial us at XXXXXXXX or write to us @XXXX

SEA FOODS GEL ICE PACK

Sea Foods Gel Ice Pack

What is a Gel Ice Pack?

A gel pack or an ice pack is a portable bag that is filled with refrigerant gel, water, or liquid, to keep the objects cool. A gel pack can be categorized as a reusable pack, which requires freezing and can be used as a thermal mass, or it can be an instant pack, which gets cooled on its own by the use of chemicals and can be used just once. An instant gel pack is typically used as a cold compress that relieves the pain caused due to minor injuries. The reusable gel pack can act as a cold compress and can also be used to keep the food items cool in insulated containers during transport.

Gel Ice Packs are eco-friendly and non-toxic water-based refrigerants that can be used to ship temperature-sensitive items. They are required to keep your perishables, foods, medicines, and other temperature-sensitive items fresh and cool during packaging, storage, and shipping.

How are Gel Packs made?

The ice gel pack can be made with many methods. Mostly, the ice gels used in the ice packs are made from urea or ammonium nitrate. However, the gel can be made using techniques like rubbing alcohol. You may even make an Ice gel pack at home, but you will need our help for your business solutions.

Benefits of Using Ice Gel Packs

The ice gel packs come with a lot of advantages. Using an ice gel pack rather than just frozen water is much simpler and better. You are always on the lookout for packs that last long and do not spoil your products. Ice Gel Packs are made of refrigerant gel which is nothing but an additive-infused substance having higher viscosity as compared to water. The cold storage and seafood packaging industry significantly benefits from Ice Gel Packs' use. The main reason to use these Ice Gel Packs is that they stay frozen for a long time, even when kept at room temperature. These gel packs are also much better than wet ice or ice blocks that melt easily. Every seafood shipment desires that the food must not get wet and rotten as it will hamper the food quality. This is the reason why Ice Gel Packs prove to be an excellent alternative to ice cubes in a bag.



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Different Uses of Ice Gel Packs

Apart from seafood packaging and cold storage packaging, there are numerous other uses of gel ice packs. It comes with several benefits and may even be used as a remedial treatment as well.

1. Medical Uses

Ice Gel packs are commonly used to treat ailments like muscular pains, bruises, or swellings. These packs are used by medical facilities like clinics, hospitals, and nursing homes. They are also commonly used in schools, offices, and camps to treat injuries. Medical practitioners use ice packs to relieve you from instant pain and swelling. The ice packs are a great relief for injury-induced pain and serve as an important part of the treatment.

2. Ice Gel packs in Orthopaedic Treatment

Ice Gel Packs are the best for ice therapy, which is commonly used in orthopaedic treatment. The ice gel packs reach freezing temperatures in a shorter duration and can remain cold for a long time at room temperatures. Ice therapy is done by rubbing cold objects on the injured surface. The swelling makes you feel more vulnerable and slows down the healing process. The application of a gel pack helps to reduce inflammation and reduces redness, and swelling. It also improves the healing process.

3. Food Preservation

Ice Gel Packs are of great importance for the cold storage and seafood packaging industry. They are much needed for keeping temperature-sensitive items fresh when they are packed in insulated containers for transportation. A lot of perishable items like fresh seafood, meat, dairy items, eggs, etc., need to be packed in a gel ice pack. They are placed in an insulated container and will help to maintain the temperature for the next 24-48 hours. Therefore, they are the best cold packs to slow down the rotting of perishables.

Features of Gel frost packs:

- Economical and affordable means to ship seafood, perishables, and numerous medical products.
- Perishable food items can be kept fresh and cool.
- Recommended as an affordable and better replacement for ice packs.
- It can withstand much more pressure when thawed.
- Maintains temperature for a longer duration.
- Available in numerous colours and sizes.
- It can be re-used easily.
- No leakage or mess like wet ice.
- Non-toxic and Biodegradable ice gel
- Highly durable to use.

Instructions for Use:

- To use a seafood ice gel pack effectively, you must follow the instructions mentioned on the pack. In addition, you must freeze them prior to -15°C to -20°C , so they are ready to use.
- When using seafood or medical products for commercial shipping, you must place these gel ice packs over the products to treat them with cold air. For optimum results, you must not leave any dead spaces and place additional packs at the side and bottom of the container.
- Frozen gel ice packs can maintain the cold temperature needed for perishable items for a longer duration. We make these Gel Ice Packs in various colours and sizes.

Why Gel Frost Packs?

We stand for quality and durability at an affordable price. Our quality, proven range of Ice Gel Pack has gained us a top position in the global market. Some facts that make us the most favoured choice include:

- Easy payment modes
- Great variety to choose from
- State-of-the-art quality
- Wide distribution framework
- Strict quality check
- Moral business practices
- On-time delivery
- Best quality products.

FAQs

1. What is the use of an Ice gel pack?

Gel ice packs are the best choice to relieve pain from injuries, reduce inflammation, transport perishables, keep seafood fresh, and much more. We offer a wide selection of Gel Ice Packs to provide optimal solutions for your needs.

2. How long do gel ice packs last?

Gel Ice packs last for longer durations than normal ice packs. Under optimum conditions, a gel pack will last nearly 24-40 hours. The Ice Gel Pack will last about 2-3 hours at room temperature.

3. Do you freeze Ice gel packs?

It is a must that you freeze the gel pack before use to gain maximum effectiveness.

4. Are gel packs reusable?

We design leakproof packs made of sturdy plastic, so they are completely re-useable. They're soft, and you can mould them easily.

5. Are gel ice packs better than ice?

The answer is yes. They contain a dry gel that can freeze at a lower temperature, which keeps the items much cooler than natural ice.

GEL ICE FLEXI PACK

Gel Ice Flexi Packs

Metadata: Gel frost ice packs have many benefits and are available in various products in the Cold Chain Equipment department.

Gel Frost Pack have so many benefits, and a wide variety of products are made for which you can easily avail.

Gel Ice Flexi Packs: Gel Ice packs are available in different forms, including Gel Ice packs which are reusable. You can find them in First Aid kits, and most homes keep them. Gel Ice packs are better as they stay frozen much longer. The gel ice cube is made from gel beads which contain liquid like distilled water. The Gel Beads in the Ice pack are of Sodium Polyacrylate. These Gel Ice packs can numb swollen areas and cause immense pain; it helps relax your muscles and prevent internal bleeding. These are the best fit for Cold Therapy.



**GEL FROST
TRADING LLC**
WWW.GELFROSTUAE.COM

What does the Gel Frost Ice pack Contain?

Gel Frost ice packs contain a variety of materials inside the big pack. The outer packaging material is made of plastic containing the Super Absorbent Gel. The Super Absorbent Gel used generally is Sodium Polyacrylate. This chemical inside has the ability to absorb a great volume of water which, after absorbing, gets converted to Gel. The gel then acts as Gel Ice. Other important ingredients added to Gel Ice Pack are the freezing, Thickening, and colouring agents. The optimum temperature the Gel Frost ice pack can be used for is between 2°C to 18°C.

What are the advantages of Gel Frost Ice Pack?

Gel Frost Ice packs are used in Cold Chain Packaging. One of the biggest advantages they provide is that they help to keep the package intact. They are widely used in the Food industry, as the Gel Frost ice pack helps keep the food fresh by maintaining the optimum temperature. Many industrialists use Gel Frost packs and Insulated Gel Pack Containers to maintain the temperature of the desired material. Specific foods like meat, fish and flowers are transported from one place to another using Gel Ice Frost packs.

When Can Gel frost Flexi ice packs be used?

Gel Frost Ice packs are used for wide reasons, which extend from Medicinal use to packaging. Let's take a look at how Gel Ice Flexi Frost pack is used in different industries:

- **Medical Uses:** Gel Ice Flexi Frost Packs are used by medical practitioners to reduce common swelling and bruises. They are most commonly found in clinics, hospitals, and even nursing homes. Many First Aid kits do contain Ice packs. They are used for reducing Instant swelling and injury-caused pain.
- **Orthopaedics:** Gel Ice packs are extensively used in Cold Therapy. They reach a maximum freezing temperature quickly compared to normal ice. They are also used in case of Tissue Damage and reduce swelling induced by damaged tissues.
- **Sports:** Gel Ice Frost Packs are used for Sports persons. The reason is simple: fitness training and other sports activities can be gruesome. This can lead to muscle and tendon damage in such scenarios when a sports Athlete is affected by Muscle Spasm and cramps. Gel Ice packs are an important part of the athlete training process as they help reduce pain caused by injuries.
- **Food Preservation:** as mentioned earlier, Gel Frost Flexi Ice packs keep the food fresh for long hours. This includes insulating the container with Gel Ice packs. One of the main reasons Gel Ice packs are as they help maintain the optimum temperature of the food and keep them cool for more than 24 hours.

FAQs

What is Sodium Polyacrylate?

Sodium Polyacrylate is a Super absorbent used in Gel Ice packs. These super absorbents can absorb a very high volume of water; when they absorb water, they swell up and form a gel.

Is It safe to use Sodium Polyacrylate?

Yes, it is safe as it is non Toxic. Sodium Polyacrylate is also used in many products like Diapers and Sanitary napkins available for women.

Is Gel pack better than ice?

Yes, Gel packs freeze much more quickly than ice and stay frozen for a long period.

When should one use a Cold gel Ice pack?

A cold gel ice pack can be used on various occasions. For example, in case of an injury which causes swelling or redness, for headaches, you can use Gel Ice packs. Also, cold gel ice packs can help relieve the pain for a short period in case of minor head injuries.

Can Gel Ice Flexi packs be used for common household purposes?

Yes, You can easily use them for a wide purpose at home, including injury, headache, swelling, redness, storing or keeping the food cool, and many more.

EYE CARE COOL PACKS

Meta Description: Cold Gel Eye Pack adds an extra layer of support by having a soothing gel that relieves puffiness & dark circles under-eye the benefits for sensitive skin eyes.

Eye Care Cool Packs

Eye care cool packs are an easy and convenient way to soothe and protect your eyes. While several treatments are available for dry eye, one of the most effective is using an eye care cool pack. They are served with a cooling gel that helps to relieve puffiness, redness, and irritation. Apply the cool pack to your eyes for a few minutes, and you will feel refreshed and relaxed. In addition, cool packs can help to reduce swelling, inflammation, and pain. They can also help to protect your eyes from further damage. Finally, eye cool packs can be a barrier between your eyes and the harmful UV rays.

Check out Why Eye Care Cool Packs are necessary?

1. Eye care cool packs are a necessary part of any eye care routine. They help to soothe and cool the eyes and can be used to relieve pain and inflammation. Cool packs can also be used to reduce swelling and redness.
2. They can help to reduce the appearance of dark circles and help to soothe and refresh tired eyes.
3. They can help keep the eyes hydrated, reduce infection risk, and ease sunburn pain.
4. They can help to improve the overall health of the eyes.
5. If you suffer from regular headaches, your eyes may also be strained. Applying a cool pack can help to relieve the tension in your eyes.
6. If you have sinus pain, the pressure can also affect your eyes. A cool pack can help to reduce the pressure and pain in your eyes.
7. Spending much time staring at a computer screen, your eyes can dry and irritate. A cool pack can help to soothe your eyes and reduce irritation.
8. If you have allergies, the pollen can irritate your eyes. A cool pack can help to reduce irritation and provide relief.
9. If you suffer from allergies, you might use a cool pack to help relieve your symptoms and reduce puffiness and redness.
10. An eye care cool pack is a great option if you want a way to take care of your eyes. It is an affordable, simple, and effective way to improve your eye health.

Here are the Benefits of Eye Care Cool Packs are:

Dry Eye Disease: Dry eye disease is a condition that results in the production of insufficient tears, which can cause the eyes to feel dry, irritated, and uncomfortable. One way to help relieve the symptoms of dry eye disease is to use eye care cool packs. These are typically small, gel-filled packs that you can refrigerate or freeze. When you place them over your eyes, they help to soothe and relieve symptoms. There are several benefits to using eye care cool packs for dry eye disease. They can help to reduce inflammation, pain, and redness. Additionally, they can help to protect your corneas from further damage. They can also help to moisturize the eyes and improve tear production. Eye care cool packs are a safe and effective treatment option for dry eye disease.

Eye Allergies: Your eyes may itch, water, and feel red and swollen. You may also have dark circles under your eyes from lack of sleep. Allergies can be a real pain, but there are things you can do to relieve your symptoms. One simple and effective way to soothe your eyes is to use cool packs. Cool packs can help relieve the symptoms of allergies by reducing inflammation and swelling. They can also help to soothe itchiness and irritation. You can use cool packs as often as you need to, and they are a safe and easy way to get relief from your allergies.

Pink Eyes: There are several benefits to using eye care cool packs for pink eye. Pink eye is a condition that can be quite uncomfortable, and the cool packs can help to soothe the irritation and inflammation. In addition, the cool packs can help reduce the swelling often associated with pink eye.

One of the most important benefits of using eye care cool packs for pink eye is that they can help prevent the condition from worsening. If the pink eye is left untreated, it can lead to serious complications, such as vision loss. The cool packs can help to keep the condition from progressing and becoming more serious.

Tired Eyes: There are many benefits of using eye care cool packs for tired eyes. Eye care cool packs are one of the most popular relieving tired eyes. They can help reduce puffiness and redness and help soothe and refresh the eyes. Cool packs can also help reduce the appearance of fine lines and wrinkles around the eyes and help brighten the eyes. Eye care cool packs are a simple and effective way to reduce discomfort and help you feel refreshed. In addition, it can help to constrict blood vessels and reduce inflammation.

Faqs

How long should you wear a cooling eye mask?

If you experience pain, swelling, or fatigue in your eyes, you may benefit from wearing a cooling eye Pack. In fact, you should only wear the cooling eye mask for 15-20 minutes at a time.

Are cold packs good for wrinkles?

Many anti-ageing treatments on the market today claim to help reduce wrinkles. One popular treatment is the use of cold packs. Cold packs are typically used to relieve pain and swelling, but some say they can also help reduce the appearance of wrinkles.

Do you put gel eye masks in the fridge?

If you decide to refrigerate your gel eye mask, let it warm to room temperature before using it, as placing a cold mask directly on your eyes can be uncomfortable.

Conclusion: One of the best practices to keep your eyes healthy and improve your vision is to use cool packs. Eye care cool packs are one of the simplest and most effective ways to soothe tired, irritated eyes. They can help reduce swelling and redness caused by allergies, lack of sleep, or too much time staring at a screen. Cool packs can also relieve pain after a long day of wearing contact lenses. In addition, cool packs are typically used daily to help keep the eyes comfortable. They can also aid in reducing the chance of developing cataracts and other age-related eye problems.

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VACCINE CARRIER BOX

Overview

Vaccine carrier boxes, cold boxes, and coolant packs are commonly used to keep the vaccines cold while transported from one place to another. As compared to any common cold box, a vaccine carrier has a smaller volume which makes it suitable for the health workers to carry it during immunization drives and other services. In addition, a vaccine box is categorized as a passive device that needs a coolant pack to enhance its cooling capacity for a short period.

The Vaccine Carrier Box is quite easy and simple to use. There is no specific skill-set required to use these boxes. A box carrying vaccine vials is packed with coolant packs following the instructions provided in the form of a drawing which comes with the box cover. All vaccine carriers come with a set of coolant packs to make them even more easier to use.

What is a Vaccine Carrier Box?

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VACCINE CARRIER BOX

Overview

Vaccine carrier boxes are insulated containers lined with coolant packs. These boxes help to keep diluents and vaccine vials cool during transportation. In addition, these boxes are smaller in volume compared to cold boxes, which makes them easier to carry while the medical practitioners go from one place to another.

Vaccine carrier boxes are used to transport vaccine vials from health care facilities to reach people coming to the immunization camps where ice and refrigeration are unavailable. The boxes are carried by a health worker who travels to numerous places and visits the local camps where the immunization activity is taking place. They invest a few hours in the camp, and the vaccine carrier boxes help to maintain the required temperature to keep the vaccines safe.

Storage Capacity

The storage capacity of these vaccine carrier boxes may range between 0.8 litres to 3.4 litres. These Vaccine carriers can be categorized into two categories depending on the hours they can keep the vaccine cool:

1. Short-range boxes: These vaccine carrier boxes can maintain the desired temperature for up to 12-15 hours at 43°C atmospheric temperature.
2. Long-range boxes: These vaccine carrier boxes can maintain the desired temperature for up to 25-30 hours at 43°C atmospheric temperature.

Choosing a Vaccine Carrier Box

The most suitable vaccine carriers must address to a lot of needs. Therefore, the choice of the appropriate vaccine carrier can be determined by:

First, analyze the need for the vaccine storage capacity.

Then, see if the carrier addresses the transport needs effectively.

The cold life provides by the box is appropriate and suits the needs. However, you need to compare the longest time the box will help you store the vaccine.

The box must not be very heavy. You must check the dimensions and weight of the box. It must be easy to carry as the comfort will depend on the mode of transport you choose.

Check if the boxes are freeze-preventive.

Importance of Using Vaccine Carrier Boxes

The transportation of the vaccines is a crucial factor that determines their potency. Therefore, there is a constant need to have an adequate vaccine carrier box that can help combat the problems of vaccine failure and spoilage. It is mainly a result of exposure to high-temperature during transport that the vaccine's efficacy reduces drastically.

It is a complete wastage of resources that is caused due to the absence of vaccine carrier boxes. Since vaccines are very temperature sensitive and must not be exposed to sudden thermo-changes for a long duration, vaccine storage boxes come to the rescue. They are the need of the hour. The temperature of the vaccine transport boxes must also be monitored regularly. Vaccine carrier boxes also come with temperature monitoring devices to make the job easier.

FAQs

Q: Tell me something about your company?

A: Gel Frost Packs is a trusted and reputed manufacturer and supplier of products that include: Gel Ice Packs, Helmet Ice Pack, Eye Care Cool Packs, Insulated Vaccine Carriers, Cooling Patch, Vaccine Carrier Box, Sea Food Gel Ice Packs, Foam Brick, Hot and Cold Gel Blanket, Polar Pack Gel Bottles, Gel Ice Flower Packs, Super Absorbent Polymers, and much more in the Cold Chain Equipment department.

Q: What is your quality policy?

A: We at Gel Frost Packs understand our responsibilities toward our clients. We aim to achieve maximum customer satisfaction and assure them a safe, accurate and timely delivery of our range of products at affordable prices through a well-connected distribution network.

Q: How are you different from others?

A: The Company's personalized services, innovative approach, and distribution network have got it the top position, and we aim to continue to provide our clients with the best quality services. We are always open to suggestions to introduce new high-quality products. Furthermore, we never compromise with quality in order to offer a lower price.

Q: Why is it important to store the vaccine properly?

A: Improper vaccine storage and transportation can reduce the vaccine's efficacy and even make them useless. Such vaccines can put people at risk of disease. Every medical Practitioner needs to understand the vaccine management standards and choose the vaccine carrier boxes wisely.

BLOGS

Reusable Gel Ice Packs – The perfect and hygienic solution to keep products cool during transit!

Reusable Gel Ice Packs – The perfect and hygienic solution to keep products cool during transit!

Meta Title: Looking for an alternative to dry ice for cold chain transport?

Meta Description: The reusable ice packs are a great alternative to dry ice as they are hygienic and ideal for cold chain transits. Learn more by reading this blog!

Keep it cool during transit!

The cold chain logistics issue has been growing, especially with environmental implications, budgeting, feasibility, and other factors that add to it. In such a scenario, there is a growing need for a cost-effective and feasible solution to get products at room temperature which rely on cold temperature for a prolonged shelf life that needs to be transported without any hassle.

For over a decade, the traditional method of transporting cold storage products heavily relies on ice slabs or standard ice containers, which are not feasible in many aspects. Well, it does the job of transporting products; however, there are certain implications that can be problematic to the product's shelf life, including shortening the ice duration to maintain the temperature, and limited transit time.

In addition, cryogenic chambers or other cold storage tactics are not quite feasible for transporting for a longer duration and are not good for logistics and handling.

The evolution of Cold Chain Logistics

In the earlier days, fishermen would use ice cubes or salts especially for items that are at risk of getting decayed easily. It is still practiced today; however, the feasibility can be greatly challenged since ice gets melted easily.

However, with scientific discovery, introduction of dry ice has been suggested. Well, dry ice does work well in transporting cold storage items like pharmaceutical products, meat, fish, and more. However, it has immense environmental implications and isn't cost-effective, which will be discussed further in this article.

Now, another alternative you can consider is the Ice gel pack, which is the next evolution of cold chain logistics.

Thermoshield Ice Pack: A cold chain logistic solution

Thermoshield Ice Pack is a blessing to cold chain logistics as it is an ideal solution for transporting cold storage products. When dry ice is used for transporting products from one place to another, there is a risk of dry ice getting converted into carbon dioxide gas due to sublimation and increasing temperature. Furthermore, dry ice has to be purchased for usage again and again after every transport. If you are looking for a reusable and environment-friendly cold storage transport solution, then the Thermoshield Ice Pack is a great option to consider. It is designed with a unique formula that can maintain cold temperature for a longer duration, and US FDA standards approve it.

Advantages of Thermoshield Ice-pack

The Thermoshield ice pack has a great design with air-tight packets preserving the contents of the gel in a sealed environment. In addition, the gel is designed specifically for promoting reusability, a faster cooling period, and other applications. Here are some of the advantages of using a Thermoshield Ice-pack for your cold storage products.

- Ice packs are cost-effective as they can be reused and refrozen multiple times.
- You invest only once instead of buying dry ice multiple times.
- The ice packs can also be washed and kept clean, maintaining hygiene during transportation.
- It is effective and does not require packaging or dipping preparation.
- It provides a longer cooling period allowing transportation flexibility with the transit time.
- The sealed packs are leakproof and do not get contaminated.
- The ice-pack gel is tested and approved by USFDA and is non-toxic.
- It promotes sustainability and does not sublimate into CO₂.

The use of Thermoshield Ice-Pack

Thermoshield Ice Pack has great flexibility & reusability. It acts as an ice blanket for products needing cold temperature, especially while transporting air freights, sea freights, and road freight services. You can use the Thermoshield Ice-Pack to transport seafood, fish, meat, poultry, dairy products, ice cream, pharmaceutical products that require low temperature while in transit, food products, and more.

You can save the shipping cost as the Thermoshield ice pack is a one-time investment and a value for your money. Hence, it is cost-effective and can easily modify your cold chain transport system.

The Bottom Line

Instead of relying on dry ice, it is best to use the Thermoshield ice pack. It is non-toxic and does not sublime in Carbon Dioxide like dry ice. You can have various options for ice packs that come in various shapes and sizes.

Hence, it can also be compatible with your logistical needs and provide an effective solution, helping you save on costs and easily transport your products.

Everything you need to know about Dry ice packs

Page title

Everything you need to know about Dry Ice Packs

Meta description

Dry ice packs are used extensively for shipping goods and in medical care. Learn about everything you need to know about dry ice packs.

Text

Introduction

In our school days, sublimation was explained with the example of dry ice. It was amazing to know how frozen carbon dioxide changes from solid to gaseous state directly. But is dry ice and dry ice packs similar entity?

What are Dry Ice Packs?

Dry ice packs are synthetic gel packs having twin layers of perforated plastic and non-woven textile. These packs can be activated whenever required and cut to the desired size for use. The gel packs are made of polymer gels and water.

Mostly these dry ice packs are available in dehydrated form. All it needs is soaking them in water and using post refrigeration or heating. Moreover, these can be easily cut to any shape or size before hydration.

How long do Ice Packs last?

Once the ice packs are hydrated, they can be reused again. However, after prolonged storage and heating they lose water content. It is recommended to soak the ice packs in water after using them 5 to 6 times. You can also rinse these packs under water after every use.

How to store ice packs?

While storing, dry ice packs should be stored in a freezer. You can also store it in an air-tight container away from moisture to avoid fungus and bacteria. When ice packs are not stored in a freezer, it would be best to wash them before use.

Is Dry Ice packs better than blue gel packs?

Dry ice packs can have a much lower temperature than blue gel packs. It means, the efficiency of keeping things cold or hot is much more with dry ice packs. However, for transportation of certain items where moderate cold temperatures are required gel packs are preferred. For eg. pharmaceuticals.

What is the Shelf Life of Dry Ice Packs?

Dry ice packs are reusable and can be reused. The only thing it requires is regular hydration which can be easily done at home. However, the product packaging shows shelf life varying from 24 months to 36 months. It is advisable to refer to the manufacturer's instructions for safe disposal of dry ice packs.

Uses of dry Ice Packs

- For Transportation of Edible Products

Dry ice packs are used to transport a variety of products like ice cream, frozen food, seafood, or sorbets. Keep the ice packs in a freezer overnight before packing the stuff in an ice box for transportation.

- As a Cold Pack

Ice packs are perfect for cryotherapy. To use ice packs for cold therapy, keep them in a freezer for 3 hours. If ice packs are kept in the freezer for longer duration, use a towel between the packs and the body. Cold packs should not be used for more than 15 to 20 minutes to avoid freeze burns.

- As a Hot Pack

To use these packs as hot packs, heat them in a microwave for 30 seconds. If the pack is not heated enough, increase the heat for 10 more seconds. Once you know the temperature is right for you, use it as a hot pack.

- Use for Recreational Purpose

Dry ice packs can also be used for picnics and outings. Use them in your ice box to keep your beer and drinks cool. On a fishing day, keep your catch fresh while transporting. Apart from keeping things cold, you can also use it to keep your food hot.

•Storage of Breast Milk

Mother's milk is essential for an infant's development. Dry ice packs are efficient for storing breast milk for infants. It is useful while traveling with infants or transporting milk.

Tips for Optimum Use

- Ice packs are easy to cut as per the required size before hydrating
- For best results, transport cold items by placing ice packs on top of the items as cold sinks down.
- Do not mix dry ice packs with commercial/household ice or gel packs since ice melts much faster than dry ice packs.
- Use protective covers while handling cold packs. There are chances of cold burns at low subzero temperatures.
- For extended storage, store ice packs in a freezer.

Conclusion

Dry ice packs are safe for use and storage. These ice packs are easier to handle and a better option than blue pack gels and ice cubes. The best part, it is reusable and can be used in twin mode for hot and cold treatment.

DON'T SWEAT THE HEAT: 4 BENEFITS OF USING COOLING PATCHES

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Cooling Patches Prevents Energy Drain

Cooling patches blocks energy drain from the body. Kids while playing get involved and are unmindful to hydrate themselves or take a break. Cooling patches help to keep you and your children comfortable by regulating body temperature.

One more effective way to beat the heat is by wearing cool comfortable clothes. Maintaining body temperatures will keep your kids happy and active. In addition, ensure to keep a water bottle handy to keep body fluids intact.

1. Cooling Patches are an Effective remedy for Fever

Cooling patches can be effective to lower body temperature in fever. Fever can be due to heatstroke, exhaustion, or any other reason. It is significant to keep body temperature under control and cooling patches are just perfect for cooling down body temperature.

It is also important to keep a portable thermometer when traveling. In case you suspect fever, check the body temperature. If you find your kid inactive or having a red face it can be a sign of fever. Apply a cooling patch to your child and ensure he takes enough fluids. If required you can also give medicine to your child as prescribed by your doctor. In case you are unable to consult a doctor, cooling patches are a proven remedy to control fever.

Cooling Patches are Hassle Free

Cooling patches are convenient and easy to carry. You can keep them in a portable bag or your medical kit bag. Being handy they are suitable for outdoor camps, family vacations, or trekking. The long-lasting design will keep you cool throughout the day.

It is important to keep energy drinks, oral rehydration salt, and some medicine when going for a long trip. When kids are traveling, make sure they are replenishing water and body salts. A small dip in water content from the body can be dangerous.

Cooling Patches are Without Side Effect

One of the most scientific ways to lower body temperature is by using cooling patches. It not only reduces the risk of heat-related sickness and heatstroke but will also keep you and your kids in a happy mood. This portable cooling solution is an essential kit one must carry for outdoor activities or long trips.

Blog 3

What are the Benefits of Ice Gel Packs?

Ice gel packs find their way into a variety of applications. Here is a guide to how to use cold packs and get instant relief. Ice gel packs are a savior when it comes to their usage. They find their way in almost every application which requires a lower temperature because you cannot get the freezer everywhere, or you cannot stuff yourself into the freezer if you have an inflammation. So as little as they are appreciated, some of the most common and usual things wouldn't have been possible without ice gel packs.

What are ice gel packs?

As the name suggests, an ice gel pack is a pack with ice gel inside it. Mostly, these ice gels are made-up of urea or ammonium nitrate using various techniques, including a rubbing alcohol technique used by many industries. Let us look at the benefits of ice gel packs.

Ice gel packs for cold therapy

Ice gel packs can be used for cold therapy. All you got to do is place the ice gel pack into the freezer for at least two to three hours to get the best results. Once it attains the given freezing temperature, you can use it against your skin. If the ice gel pack is too cold, you can even allow it to thaw for some time at room temperature. Cold therapy is often advised for people with pain in their joints or muscles. In addition, ice gel packs reduce swelling or internal bleeding within the capillaries.

Ice gel facts for inflammation and injury

Ice gel packs are most commonly used whenever you have an injury while on the ground or hit your tiny toe against a wooden surface. However, ice gel packs help in muscle spasms, relaxing the muscles, especially post-surgery. A muscle, when it undergoes a spasm, gets inflamed, and during this process of inflammation, due to the immune system of your body, a lot of heat is generated in this area. The heat can further elevate the inflammation, so soothing and relaxing the entire muscle area with an ice gel pack is the best therapy.

Ice gel packs to reduce high temperature.

Sometimes, the body's homeostasis doesn't work well because an exaggerated immune system has been aggravated within your body. A high temperature or fever is the manifestation of this exaggeration. When immediate medications do not work to reduce fever and cool down the body, ice gel packs can be used as external measures that give a cooling effect to the body. They also find their way when temperatures surpass the human capabilities to resist high temperatures. They can also be used to cool down the human body on a very hot and tiring day filled with exhaustion.

Ice gel packs to store cold food items

Ice gel packs also find their way into food storage and preservation. They are very important tools, especially in the cold chain packaging industries, as they act as cornerstones for transporting perishable cold storage food items. When heat-sensitive fresh food items are packed in containers and are shipped across cities or nations, these ice chill packs insulate the containers and maintain their optimal temperature for three days maximum. As a result, perishable food items such as fish, meat, eggs, or dairy products can be packaged. In addition, ice gel packs can also provide cooling of drinks and beverages when you go out for a picnic as they maintain the cool temperature of the drinks.

Ice gel packs for medical use.

Apart from orthopaedics and inflammation, ice gel packs also find their way into clinics, nursing homes and hospitals to store heat-sensitive medicines. This is mostly regarding heat-sensitive vaccines that need to be stored under an optimum temperature for their full effect. Ice gel packs are often used for these vaccines, especially when a mass immunization program is happening. Most vaccine doses need to be maintained at a low temperature to be fully functional and active when injected into the human body.

To conclude

Ice gel packs are not given good credit but are excellent sources for food preservation, orthopaedics and even medical use. Their use is found in various industries and also are important first aid tools that need to be present for immediate purposes.

How long do reusable gel ice packs last?

Want to know how long gel ice packs last, or do they last longer than ice? Find out below

Gel ice packs are important tools, especially when treating on-the-spot injuries. In addition, they come in handy to store your food and increase the shelf life of perishable food items, especially those that require storage at lower temperatures. However, do the gel ice packs last only for an application or do they last longer than one application is interesting to answer.

Reusable gel ice packs will last on different lengths depending on the application. For instance, if you use a gel ice pack to treat an injury on your foot or your body, then due to the large surface area, they tend to get heated up faster than using them as insulated coolers to keep your cold storage food items under temperature.

Gel ice packs last around two hours when in contact with our skin, whereas they last for around 4 hours at room temperature when not in contact with our skin. In addition, gel ice packs can last for one to three days in a cooler, depending upon the amount. An important factor to note here is that they cannot last as long as ice but can melt faster than ice because they have a very low melting point.

How long do reusable gel ice packs last when applying them to inflammation or injury?

An ice pack's most common reusable application is to apply it to your skin whenever you have an inflammation or a spontaneous injury. The most common uses of gel packs are for sprained ankles or wrists to reduce swelling and inflammation, helping you heal faster. Depending on the size of the gel pack and the quality of its substances, they can last for a maximum of two to three hours because they are in direct contact with your skin, and this allows for the change in the temperature between your skin and the ice pack to occur faster. To increase the shelf life of your gel ice pack, you can even wrap it around a towel to increase the usage time.

How long does a reusable gel ice pack last at room temperature?

Suppose gel ice packs are kept at room temperature for longer; they can last for a maximum of four hours, but as time passes, their effectiveness decreases. If you notice the structure of any gel pack, they are usually narrow and long, allowing for a faster freezing phenomenon. However, this structure also incorporates a longer surface area, leading to faster warming up. Again, when wrapped across the towel, which acts as an insulator to the gel ice pack, you can increase its timing of melting and stop the quick warm-up process.

How long does a reusable gel ice pack last in a cooler?

It depends on the cooler's quality because a good cooler will provide a better cooling condition for the gel ice pack to last longer. In addition, it also depends on how many times you open the cooler. Every time you do so, the freezing process gets imbalanced because you allow the temperature of the environment to get into the cooler. Therefore, adding a gel ice pack can last for around one to three days depending on a variety of factors, including the quality of the cooler, the external temperature of the room and at the same time, the quality of the gel ice pack.

When do reusable gel ice packs expire?

Well, most may think that gel ice packs do not have an expiry date, which depends on the components used in making the gel ice. Most often, gel ice packs last for around three to four years until they expire; however, there is not much attention given to the expiry date because even if they have crossed the expiry date, no harmful effects are seen. But, if ingredients in the gel pack try to change their colour or become liquid, it has transitioned from a frozen solid to a liquid, so it's time to change the ice pack.

According to reports, while most gel ice packs have an expiry date, you can use them beyond a certain period of expiry because they do not cause any health-related issues or destroy the performance of the gel pack, provided there are ingredients which can cause some harm.



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