DEPARTMENT OF AEROSPACE ENGINEERING

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Course	:	**19AST301 - Space Propulsion**			

UNIT III - CRYOGENIC ENGINEERING

Cryogenic Rubber Foam

Alkadiene cryogenic thermal insulation materials in cryogenic environment ,has a lower coefficient of thermal conductivity,lower density and good elasticity.no crack,effective insulation, good flame -retardant performance, good moisture resistance, durable and long lasting. it is widely used in the production of liquefied natural gas (LNG), pipelines, petrochemicals industry, industrial gases, and agricultural chemicals and other piping and equipment insulation project and other heat insulation of cryogenic environment.

Share:

Cryogenic Rubber Foam|Cryogenic Insulation Materials

Cryogenic Rubber Foam is a high-performance insulating material designed for use in extremely cold environments. It is made from a special blend of rubber and foam that can withstand temperatures as low as -200°C (-328°F).

One of the key features of Cryogenic Rubber Foam is its exceptional insulation properties. Its closed-cell structure helps to prevent the transfer of heat, making it an ideal choice for use in cryogenic tanks, pipelines, and other cold storage applications.

In addition to its insulation capabilities, Cryogenic Rubber Foam is also highly durable and resistant to wear and tear. It is resistant to moisture, chemicals, and UV radiation, making it suitable for use in both indoor and outdoor environments.

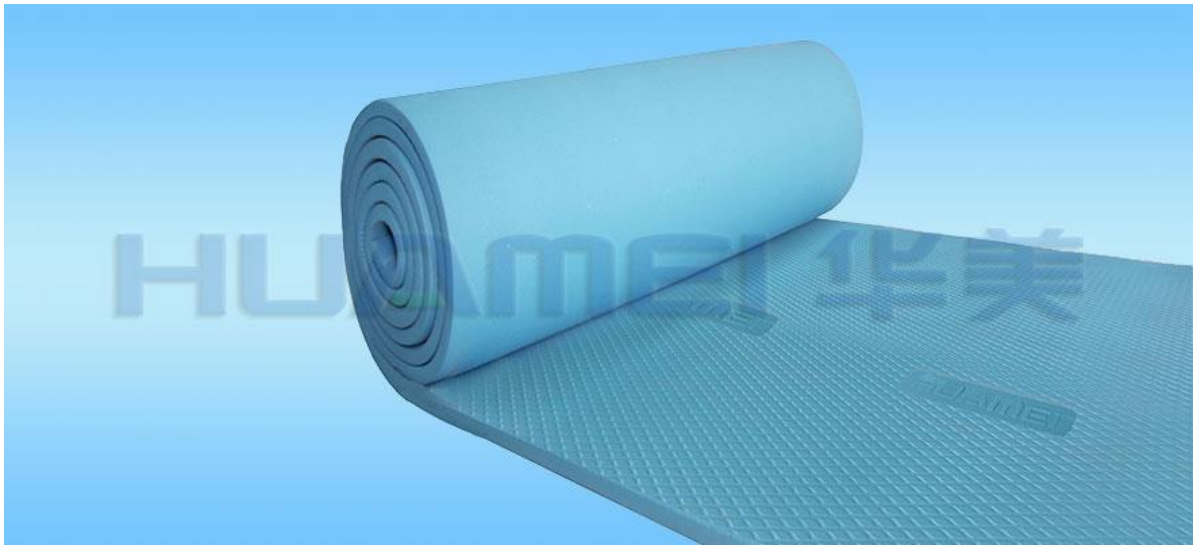
Overall, Cryogenic Rubber Foam is a reliable and effective solution for insulation in extreme cold environments. Its versatility, durability, and insulation properties make it a top choice for a wide range of industrial and commercial applications.

As an experienced **Rubber Foam manufacturer**, we sell the best and various **Rubber Foam**.

Advantages

Some advantages of Cryogenic Rubber Foam include:

1. Excellent insulation properties: Cryogenic Rubber Foam is highly effective at preventing the transfer of heat, making it an ideal choice for use in cold storage applications.
2. Durability: This material is resistant to wear and tear, as well as moisture, chemicals, and UV radiation. It can withstand temperatures as low as -200°C (-328°F).
3. Versatility: Cryogenic Rubber Foam can be used in a wide range of applications, including cryogenic tanks, pipelines, and other cold storage systems. It is suitable for use in both indoor and outdoor environments.
4. Easy to install: Cryogenic Rubber Foam is lightweight and easy to cut and shape, making it easy to install in a variety of configurations.
5. Energy efficiency: Its excellent insulation properties can help to reduce energy consumption and costs, as it can help to keep cold storage systems running more efficiently.



Application

Cryogenic Rubber Foam is typically used in a wide range of industrial and commercial applications that require insulation in extreme cold environments. Some common applications include:

1. Cryogenic tanks: Cryogenic Rubber Foam can be used to insulate the walls, floors, and roofs of cryogenic tanks, which are used to store and transport materials at extremely low temperatures.

2. Pipelines: Cryogenic Rubber Foam can be used to insulate pipelines that transport materials at low temperatures, such as natural gas, LNG, and other cryogenic liquids.

3. Cold storage: Cryogenic Rubber Foam is often used to insulate cold storage warehouses and facilities, helping to keep the temperature at a consistent and optimal level.

4. Refrigeration: Cryogenic Rubber Foam can be used to insulate refrigeration systems, such as refrigerated transport containers and refrigerated display cases.

5. Other: Cryogenic Rubber Foam can also be used in other applications that require insulation in extreme cold environments, such as research laboratories, cryogenic processing facilities, and aerospace equipment.