

## **Cryo-Lite®** Cryogenic Insulation

### **Description**

Cryo-Lite is a fiber glass blanket made of high quality fine fibers bonded with a melamine resin. It has been specifically designed to meet the unique needs of cryogenic tank manufacturers.

### **Applications**

Cryo-Lite is used to insulate cryogenic tanks containing liquefied gases, such as oxygen, nitrogen, argon, and helium. It provides maximum thermal protection with minimum weight.

### **Advantages**

Cryo-Lite is certified to meet oxygen compatibility testing requirements as defined in Department of Transportation requirement MC-338. It exhibits low thermal conductivity and virtually no outgassing under typical cryogenic vacuum and temperature conditions.

Cryo-Lite's flexibility makes it easy to install. It can be cut to fit between tank supports or purchased already cut to specific widths.

In transport tankers, Cryo-Lite will not settle or compact in over-the-road service. Because of Cryo-Lite's low density and stability, tanker operators can trade insulation weight for larger payloads. Typical porous insulations such as perlite are as much as eight times heavier than Cryo-Lite.

### **Available Forms**

Cryo-Lite is produced 1" thick at a nominal 1.0 pcf density. Standard rolls are 72" wide x 50' long. Special sizes may be available.



**Type:** Blanket  
**Temperature Limit:** -450°F (-268°C)  
and +450°F (232°C)

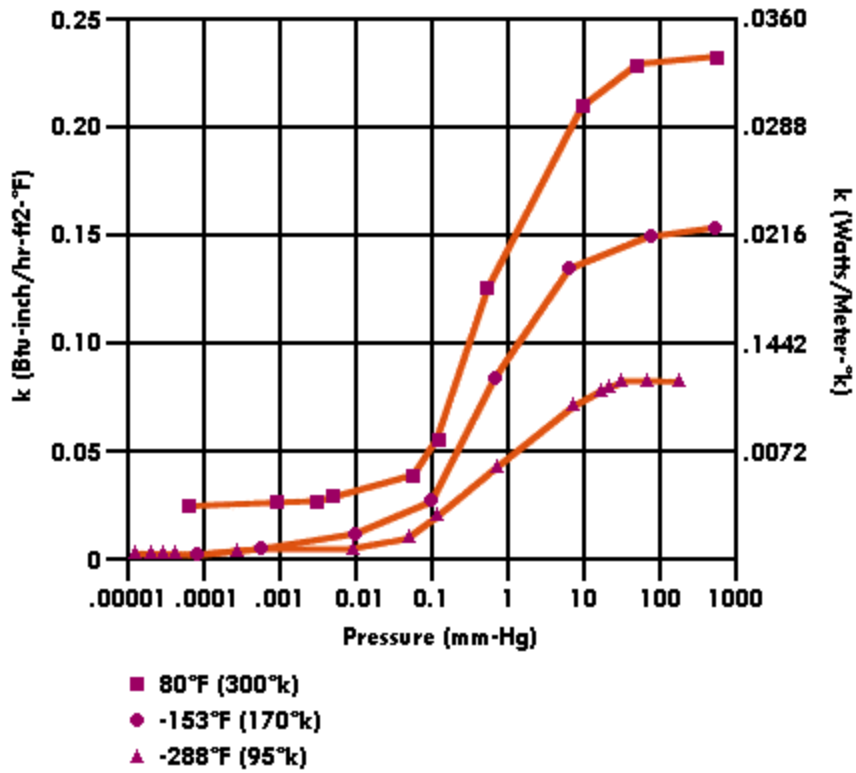
#### **Applications**

- Cryogenic Tanks
- Cryogenic Over-the-Road Tankers

#### **Properties**

- Light weight
- Fast Pump-Down Times
- Oxygen Compatibility
- Maximum Thermal Protection
- Stable, Nonsettling
- Excellent Handling
- Certified Performance

**Vacuum Cryogenic Thermal Performance Cryo-Lite® (1.0 PCF)**



**Cryo-Lite® Tensile Strength (lbs./in.) (Per ASTM D 1682)**

Direction	Strength
Length	1.2
Width	0.9

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For additional information, contact the Johns Manville Product Information Center at [www.jm.com](http://www.jm.com) or 1.800.654.3103.