

Data Sheet

Low profile, easy to install, high temperature industrial insulation

A high temperature insulation that not only focuses on performance, but also ease of installation. It combines the extremely low thermal conductivity of silica aerogel with the flexibility of glass-fiber batting and simple installation using velcro-style hook and loop fasteners.

Ideal for almost any pipe insulation application, including steam pipes and fittings, process piping, and freeze protection (when used with appropriate heat/steam trace).



Thermal Conductivity

Mean Temp (°F)	32°	212°	392°
k-value (BTU-in/hr-ft ² -°F)	0.14	0.16	0.19

Physical Properties

Thickness*	7/16 inch
Material Form	Straight lengths and individual fittings
Max. Use Temp.	500°F
Color	Gray (other colors available)
Hydrophobic	Yes

*Nominal Value. Thickness may vary.

Characteristics

Straight pipe insulation can be cut to length using razor knives or scissors. Fittings are a direct fit and do not require modification. Gloves, safety glasses, and dust masks are recommended when handling. See MSDS for complete health and safety information.

Performance Data

Test Procedure	Property	Results
ASTM E84	Surface Burning Characteristics	Flame Spread Index = 0 Smoke Developed Index = 10
ASTM C 165	Compressive Strength	Stress at 10% strain = 11.4 psi [†] Stress at 25% strain = 37.0 psi [†]
ASTM C 356	Linear Shrinkage Under Soaking Heat	<2% @1200°F [†]
ASTM C 795	Insulation for Use over Austenitic Stainless Steel	Passed [†]
ASTM C 1104	Water Vapor Sorption	<5% by weight [†]
ASTM C 1511	Liquid Water Retention After Submersion	<5% (after heat treatment) [†]

[†]Based on technical information from the insulation manufacturer. Not tested with silicone coated fiberglass cloth.