

Data Sheet

Mineral wool fabricated pipe and fittings insulation is made from felted mineral wool bonded with a high temperature binder. The resulting product is precisely fabricated to fit NPS and tube sizes for both commercial and industrial applications. The temperature range is from -20°F (-29°C) to 1200°F (649°C)..

Properties:

- Dimensionally (thermally) stable
- High impact resistance
- Low moisture absorption
- Fire resistant
- Excellent sound properties
- Excellent thermal resistance
- Non-corrosive
- Chemically inert
- Mold resistant



Thermal Conductivity	ASTM C 177		BTU.in/hr. °F.ft² (W/m.K)
		25°F (-4°C)	0.221 (0.0318)
		75°F (24°C)	0.239 (0.0345)
		100°F (38°C)	0.253 (0.0365)
		200°F (93°C)	0.299 (0.0432)
		300°F (149°C)	0.350 (0.0504)
		400°F (204°C)	0.383 (0.0553)
		500°F (260°C)	0.464 (0.0669)
Compressive Strength	ASTM C 165	at 10%:	720 psf (34.4 kPa)
Dimensions	21" Max Diameter. Larger dimensions are possible as curved or split sections. Please consult your sales rep for details.		

Compliance and Performance	ASTM C547	Mineral Fiber Block	Type IVB, Complies
Fire Performance	ASTM E 84 (UL723)	Surface Burning Characteristics	Flame Spread = Pass Smoke Developed = Pass
	CAN/ULC S102	Surface Burning Characteristics	Flame Spread = Pass Smoke Developed = Pass
	ASTM E 136	Behavior of Materials at 750°C (1382°F)	Non-Combustible
	CAN4 S114	Test for Non-Combustibility	Non-Combustible
Maximum Service Temperature	ASTM C 411	Hot Surface Performance	In Compliance with ASTM C612 @ 1200°F(650°C)
Moisture Resistance	ASTM C 1104	Moisture absorption	0.03%
Dimensional Stability	ASTM C 356	Linear Shrinkage	<0.4%
Thermal Resistance	ASTM C 518 (C 177)	R-value/inch @ 75°F	4.2 hr.ft².F/Btu
		RSI value/25.4 mm @ 24°C	0.74 m²K/W
Corrosion Resistance	ASTM C 665	Corrosiveness	Passed
	ASTM C 795	Stainless Steel Stress Corrosion Specification per Test Methods C871 and C692: U.S. Nuclear Regulatory Commission, Reg. Guide #1.36: U.S. Military Specifications MIL-I-24244 (all versions including B and C)	Conforms

FITTING TYPES

90° Elbows



45° Elbows



Tees



Pipe Covering



Segmented

