

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)

Compliance and Performance	ASTM C547	Mineral Fiber Block	Type II, Grade A
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

