



**General Product Information:**

Multi-Groove™ mineral fiber insulation is produced using a rigid board, precision cut into v-shaped grooves and laminated to a FSK, ASJ or black mat facing. Mineral fiber insulation is manufactured using basalt rock and slag. This combination results in a non-combustible product with a high melting point which gives excellent fire resistance properties. This is a versatile product with excellent compressive strength. Our fabricating technology allows consistent manufacturing of insulation to strict specifications allowing for the best thermal performance possible.

**Description & Common Applications:**

Multi-Groove™ is ideal for round applications such as piping and ductwork. Multi-Groove™ has excellent acoustic properties and is well suited for applications that require sound absorption. This product is a durable industrial mineral wool pipe insulation that is lightweight, water repellent, fire resistant and sound absorbent. It is available for iron pipe sizes of ½” to 36”, and up to 3” thick in single layer application, or 6” as a double-layer system.

**Compliance and Performance:**

ASTM C 547-07

Mineral Fiber Pipe Insulation

Type III A

<b>Fire Performance:</b>		
<b>CAN4 S114</b>	Test for Non-Combustibility	Non-Combustible
<b>ASTM E 84 (UL 723)</b>	Surface Burning Characteristics	Flame Spread – Passed / Smoke Developed - Passed
<b>CAN/ULC S102</b>	Surface Burning Characteristics	Flame Spread – Passed / Smoke Developed - Passed

### Maximum Service Temperature:

ASTM C 411 Hot Surface Performance 1200°F(650°C)

### Dimensional Stability:

ASTM C 356 Linear Shrinkage 1.30% @ 1200°F(650°C)

### Moisture Resistance:

ASTM C 1104 Moisture Sorption 0.01%

### Corrosive Resistance:

ASTM C 665 Corrosiveness to Steel Passed

ASTM C 795 \*\*\*\* Stainless Steel Stress Corrosion Specification as 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)

### Compressive Resistance:

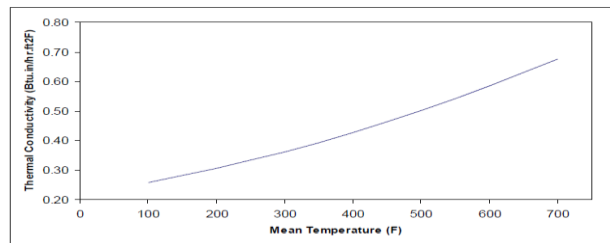
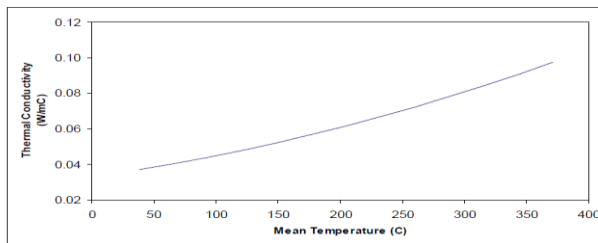
ASTM C 165 Passed

### Shot Content:

ASTM C 1335 Passed

### Thermal Conductivity:

ASTM C 335 Single point per mean temp: 38°C, 93°C, 149°C, 204°C, 260°C, 316°C, 371°C



### Available Facing:

- Black fibrous glass scrim for single and multi-layer applications
- Reinforced foil facing for single layer applications
- White, reinforced glass scrim all service jacket

### Key Application Qualifiers:

- Non-combustibility
- Low moisture sorption
- Fire resistant
- Excellent thermal resistance
- Does not promote growth of fungi or mildew
- CFC and HCFC free product and process
- Made from natural and recycled materials

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