



MPT® Pre-Formed Mineral Wool MITERED FITTINGS

DESCRIPTION

MPT Pre Formed Mineral Wool Mitered Fittings are made of inorganic fibers derived from basalt, a volcanic rock, with thermosetting resin binder. Advanced manufacturing technology ensures consistent product quality, with high fiber density and low shot content, for excellent performance in thermal control and fire resistance applications. These mitered and bonded fittings are for standard short and long radius and non-standard radius sweep elbows found in normal piping schemes. MPT Fittings are manufactured from MPT-PF mitered into precision segments.

ADVANTAGES

Thermal Performance. Good thermal conductivity values help maximize control of heat loss, contributing to reduced operating costs and greater energy savings.

Light Weight, Low Dust, Protected Outer Surface. Easy to handle and fabricate, MPT Fittings are easy to cut with a knife. Clean handling properties and factory applied facers help reduce skin irritation and minimize job cleanup time and expense.

Mold Resistant. MPT-PF Mitered Fittings does not support the growth of fungi.

APPLICATIONS

MPT Pre Formed Mineral Wool Pipe Insulation Mitered Fittings are produced to fit NPS pipe sizes and copper tubing sizes for commercial and industrial applications at temperatures ranging from ambient to 1200°F (650°C). Very low in-service shrinkage helps prevent gaps from forming at joints, preventing costly thermal leaks. The insulation is designed to be factory or field jacketed. It may be installed directly on hot surfaces; system shutdown and staged heat-up are not required.

AVAILABLE TYPES

Standard Thicknesses

- Single Layer- 1" thick up to 4" thick
- Double Layer- Over 4" thick in ½" increments
- Sizes available up to a 72" IPS but vary by thickness
- Available in NPS pipe sizes and copper tubing sizes

Facings Available

- Sizes ½" through 2" are supplied with no facing
- Sizes 2.5" and above are supplied with a fiberglass mat facing
- Other facings available include ASJ and FSK/FRK



MPT® Mitered Fittings

OPERATING TEMPERATURE LIMIT: 1200°F(650°C)

SPECIFICATION COMPLIANCE INSULATION

| | |
|---|----------------|
| ASTM C447 Maximum Service Temperature | 1200°F (650°C) |
| ASTM C547/C585 MICA Fabrication Standards | Complies |
| ASTM C795/C871/C692 | Complies |
| ASTM C1335 Shot Content | <25% |
| ASTM E84 Flame Spread/Smoke Developed | 25/50 or less |
| U.S. Federal Specification HH-I-558B | Passes |
| Recovery after 10% compression | 100% |

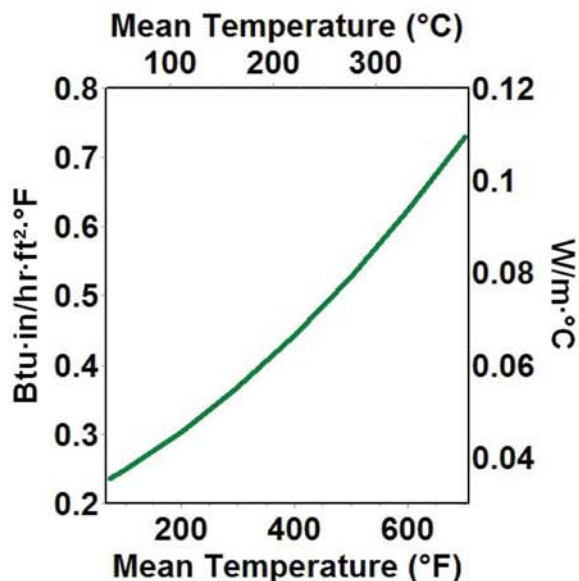
MITTERED FITTING COVERS

Fitting covers are manufactured from MinWool-1200® Pipe Insulation, mitered into precision segments. The segments are adhered with adhesive, for ease of installation following the MICA National Commercial and Industrial Insulation Standards.

For thermal conductivity and other technical information, reference data sheet IIG-401 MinWool-1200® Pipe Insulation.

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MITERED FITTINGS



THERMAL CONDUCTIVITY

| Mean Temperature | | Thermal Conductivity | |
|------------------|-----|--------------------------|----------|
| °F | °C | Btu · in/(hr · ft² · °F) | W/m · °C |
| 75 | 23 | 0.23 | 0.034 |
| 100 | 38 | 0.25 | 0.036 |
| 200 | 93 | 0.30 | 0.044 |
| 300 | 149 | 0.37 | 0.053 |
| 400 | 204 | 0.44 | 0.064 |
| 500 | 260 | 0.53 | 0.076 |
| 600 | 316 | 0.62 | 0.090 |
| 700 | 371 | 0.73 | 0.104 |

PRODUCT CERTIFICATION

When ordering material to comply with any government specification or any other listed specification, a statement of that fact must appear on the purchase order. Government regulations and other listed specifications require specific lot testing, and prohibit the certification of compliance after shipment has been made. There may be additional charges associated with specification compliance testing. Please refer to IIG-CSP-3 for Certification Procedures and Charges. Call customer service for more information.

QUALITY STATEMENT

IIG Products are designed, manufactured and tested to strict quality standards in our own facilities. This along with third party auditing is your assurance that this product delivers consistent high quality.



Industrial Insulation Group, LLC is a Johns Manville. IIG manufactures MinWool-1200® mineral fiber pipe, block and a variety of other insulations; Thermo-12® Gold Calcium Silicate pipe and block insulation; Super Firetemp® fireproofing board; SprouleWR-1200® Perlite pipe and block insulation; high temperature adhesives, and insulating finishing cement.

The physical and chemical properties presented herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Numerical flame spread and smoke developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions. Check with the Customer Service Office to assure current information. All Industrial Insulation Group products are sold subject to the IIG Limited Warranty and Limitation of Remedy. For a copy of the IIG Limited Warranty and Limitation of Remedy, email - info@iig-llc.com.