

Micro-Foil Insulating Tapes

Datasheet Code US: 6-14-130

Updated: 02/2016

Insulating tapes are formulated to provide the dimensional stability and durability essential to applications requiring dependable performance and minimal maintenance. Each tape is designed to protect and insulate within the specific set of service conditions encountered in its intended end use.

The tapes are quickly and easily installed with minimal or no tools. They are generally spiral wrapped, layer on layer, around the part to desired thickness or can be applied lengthwise on a tube or pipe.

Micro-Foil insulating tape are readily conformable to small parts and tubing, and are available for temperature use limits of:

- 900°F (482°C), Type 475
- 1200°F (649°C), E-Mat
- 2000°F (1093°C) Type HT



Features

- Easy to use
- Flexible
- Variety of thicknesses and size

Applications

- Fuel, oil and hydraulic lines
- Ducts
- Compressors and de-icing equipment
- High temperature tubing and piping systems
- A variety of hard-to-insulate areas where weight is critical and working space is minimal

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Physical Properties

Continuous Use Limit, Core, °F (°C)	900, 1200, 1832 (482, 649, 1000)
Cold Face temperatures limited to, °F (°C)	500 (260)
Width, in (mm), *up to 6 on special order	1, 2, 3 (25, 50, 76)*
Thickness, in	3/16, 1/2 (5,13)
Density, pcf (kg/m ³)	3, 3.5, 4, 6 (48, 56, 64,96)
Rolls, ft, m	50 (15)

Facing or enclosure

- 0.002" soft aluminum foil facing
- other backing materials such as glass cloth or Teflon available on special order

Thermal Conductivity, BTU•in/hr•ft²•°F (W/m•K)

Tape Syle	Density pcf (kg/m ³)	Temperatures, °F (°C)			
		400 (204)	600 (316)	800 (427)	1000 (538)
475	4 (64)	0.37 (0.05)	0.49 (0.07)	0.61 (0.09)	–
E-Mat	6 (96)	0.39 (0.06)	0.52 (0.07)	0.69 (0.10)	0.96 (0.14)
HT, 3/16	3 (48)	0.43 (0.06)	0.57 (0.08)	0.73 (0.10)	0.91 (0.13)
HT, 1/2	3.5 (56)	0.39 (0.06)	0.53 (0.08)	0.67 (0.10)	0.83 (0.12)

The values given herein are 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. Therefore, the data contained herein should not be used for specification purposes. Check with your Morgan Advanced Materials office to obtain current information.