

## Mid-Mountain Materials PADMAT<sup>®</sup> MT1000 Needled Fiberglass Mat

Category : Ceramic , Glass , Glass Fiber , Other Engineering Material , Composite Fibers

### Material Notes:

Description: PADMAT<sup>®</sup> MT1000 fiberglass mat is comprised of high purity, high strength E-Glass fibers. These long fibers are mechanically needled into high strength, binderless insulation materials that are available in a wide range of thicknesses. MT1000 is light weight, strong, and highly efficient as insulation in most high heat environments for extended periods at elevated. The absence of organic or synthetic binders makes this product smoke free on heat up and allows the product to remain mechanically stable even after exposure to extreme temperatures. Characteristics: Non combustible Good drapability Will not contribute to metal corrosion Will not decay, not sustain mold or vermin Excellent vibration resistance Odorless - will not absorb odors Excellent sound absorption qualities Flame spread / smoke generated - 0/0 Information provided by Mid-Mountain Materials.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Mid-Mountain-Materials-PADMAT-MT1000-Needled-Fiberglass-Mat.php](http://www.lookpolymers.com/polymer_Mid-Mountain-Materials-PADMAT-MT1000-Needled-Fiberglass-Mat.php)

Physical Properties	Metric	English	Comments
Density	0.0961 - 0.192 g/cc	0.00347 - 0.00694 lb/in <sup>3</sup>	
Thickness	3180 - 25400 microns	125 - 1000 mil	nom

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.0576 W/m-K	0.400 BTU-in/hr-ft <sup>2</sup> - °F	
	@Temperature 149 °C	@Temperature 300 °F	
	0.0720 W/m-K	0.500 BTU-in/hr-ft <sup>2</sup> - °F	
	@Temperature 260 °C	@Temperature 500 °F	
	0.0937 W/m-K	0.650 BTU-in/hr-ft <sup>2</sup> - °F	
	@Temperature 371 °C	@Temperature 700 °F	
Melting Point	1120 °C	2050 °F	
Maximum Service Temperature, Air	538 °C	1000 °F	Continuous
	816 °C	1500 °F	Short Term

Descriptive Properties	Value	Comments
Construction	Needled & Felted Blanket	
Material	High purity E-Glass	
Width	60 inches	

Descriptive Properties	Value	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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