

## Mid-Mountain Materials CERMEXÂ® MT1000 Needled Fiberglass Mat

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

### Material Notes:

CERMEXÂ® MT1000 fiberglass mat is comprised of high purity, highly resilient E-Glass fibers. CERMEXÂ® MT1000 is lightweight, strong, and highly efficient as insulation in most high heat environments for extended periods at elevated temperatures. 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. Needled and Felted Blanket. Information provided by Mid-Mountain Materials

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	0.144 - 0.176 g/cc	0.00521 - 0.00637 lb/inÂ³	
Thickness	6350 microns	250 mil	
	12700 microns	500 mil	
	25400 microns	1000 mil	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.0576 W/m-K @Temperature 149 Â°C	0.400 BTU-in/hr-ftÂ²-Â°F @Temperature 300 Â°F	
	0.0721 W/m-K @Temperature 260 Â°C	0.500 BTU-in/hr-ftÂ²-Â°F @Temperature 500 Â°F	
	0.0937 W/m-K @Temperature 371 Â°C	0.650 BTU-in/hr-ftÂ²-Â°F @Temperature 700 Â°F	
Melting Point	1120 Â°C	2050 Â°F	
Maximum Service Temperature, Air	538 Â°C	1000 Â°F	Continuous
	816 Â°C	1500 Â°F	Short term

Descriptive Properties	Value	Comments
Roll Length (ft)	150	1/4"
	45	1"
	75	1/2"

Descriptive Properties	Value	Comments
Absorption Coefficient (Sabin/ft <sup>2</sup> )	0.07 Â±0.02	1/2" thick, 250 Hz
	0.17 Â±0.02	1/4" thick, 500 Hz
	0.29 Â±0.04	1" thick, 250 Hz
	0.30 Â±0.03	1/2" thick, 500 Hz
	0.30 Â±0.03	1/4" thick, 1000 Hz
	0.68 Â±0.03	1/4" thick, 2000 Hz
	0.72 Â±0.08	1/2" thick, 1000 Hz
	0.86 Â±0.03	1" thick, 500 Hz
	0.92 Â±0.03	1" thick, 2000 Hz
	0.94 Â±0.05	1/2" thick, 2000 Hz
	0.94 Â±0.05	1/4" thick, 4000 Hz
	0.95 Â±0.04	1" thick, 1000 Hz
	0.95 Â±0.05	1" thick, 4000 Hz
	0.97 Â±0.05	1/2" thick, 4000 Hz
Width (in)	60	

## Contact Songhan Plastic Technology Co.,Ltd.

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