

Mid-Mountain Materials CERMEX® PR1000-M Premium Grade Thermal Insulation Paper

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

Material Notes:

Material: Non-respirable E-glass fibers Construction: Felted paper, organic binder Information provided by Mid-Mountain Materials

Order this product through the following link:

http://www.lookpolymers.com/polymer_Mid-Mountain-Materials-CERMEX-PR1000-M-Premium-Grade-Thermal-Insulation-Paper.php

Physical Properties	Metric	English	Comments
Density	0.138 g/cc	0.00498 lb/in ³	
	@Thickness 6.35 mm	@Thickness 0.250 in	
	0.138 g/cc	0.00498 lb/in ³	
	@Thickness 3.17 mm	@Thickness 0.125 in	
	0.138 g/cc	0.00498 lb/in ³	
	@Thickness 1.59 mm	@Thickness 0.0625 in	
Loss On Ignition	5.0 - 7.0 %	5.0 - 7.0 %	
Thickness	1587 microns	62.48 mil	
	3175 microns	125.0 mil	
	6360 microns	250 mil	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.0340 W/m-K	0.236 BTU-in/hr-ft ² - °F	N ₂ ; ASTM C177
	@Temperature 24.0 °C	@Temperature 75.2 °F	
	0.0420 W/m-K	0.291 BTU-in/hr-ft ² - °F	N ₂ ; ASTM C177
	@Temperature 100 °C	@Temperature 212 °F	
	0.0520 W/m-K	0.361 BTU-in/hr-ft ² - °F	Air; ASTM C114
	@Temperature 200 °C	@Temperature 392 °F	
	0.0530 W/m-K	0.368 BTU-in/hr-ft ² - °F	N ₂ ; ASTM C177
	@Temperature 200 °C	@Temperature 392 °F	
	0.0640 W/m-K	0.444 BTU-in/hr-ft ² - °F	Air; ASTM C114

Thermal Properties	@Temperature 300 Å°C Metric	English @Temperature 572 Å°F	Comments
	0.0680 W/m-K	0.472 BTU-in/hr-ftÅ²- Å°F	Air; ASTM C114
	@Temperature 400 Å°C	@Temperature 752 Å°F	
Melting Point	>= 1100 Å°C	>= 2010 Å°F	Fiber Only
Maximum Service Temperature, Air	538 Å°C	1000 Å°F	Continuous
	649 Å°C	1200 Å°F	Intermittent

Descriptive Properties	Value	Comments
Color	White	
Width (in)	41	

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