

## Zircar Ceramics Z-MAG-B Non-RCF Blanket

Category : Ceramic , Oxide , Silicon Oxide

**Material Notes:**

Mechanically needled silica magnesia fiber blanket provides much of the same performance found in ceramic fiber blanket but in a NON RCF composition. Information provided by Zircar Ceramics.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Zircar-Ceramics-Z-MAG-B-Non-RCF-Blanket.php](http://www.lookpolymers.com/polymer_Zircar-Ceramics-Z-MAG-B-Non-RCF-Blanket.php)

Physical Properties	Metric	English	Comments
Density	2.54 g/cc	0.0918 lb/in <sup>3</sup>	
Filament Diameter	4.0 μm	4.0 μm	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	0.0350 MPa	5.08 psi	Perpendicular to Thickness; ASTM 686-76
Compression Set	78 %	78 %	50% Compression, Parallel
	89 %	89 %	30% Compression, Parallel
	96 %	96 %	10% Compression, Parallel

Thermal Properties	Metric	English	Comments
Insulation R Value	101	101	Cold Face Temp, °C; 8 pcf density blanket
	@Thickness 254 mm, Temperature 1100 °C	@Thickness 10.0 in, Temperature 2010 °F	
	114	114	
	@Thickness 203 mm, Temperature 1100 °C	@Thickness 8.00 in, Temperature 2010 °F	
	168	168	
	@Thickness 102 mm, Temperature 1100 °C	@Thickness 4.00 in, Temperature 2010 °F	Cold Face Temp, °C; 8 pcf density blanket
	243	243	Cold Face Temp, °C; 8 pcf density blanket
	@Thickness 50.8 mm, Temperature 1100 °C	@Thickness 2.00 in, Temperature 2010 °F	
	338	338	Cold Face Temp, °C; 8 pcf density blanket
	@Thickness 25.4 mm, Temperature 1100 °C	@Thickness 1.00 in, Temperature 2010 °F	
Melting Point	1500 °C	2730 °F	

Thermal Properties <small>Temperature, Air</small>	Metric <small>TEMP °C</small>	English <small>TEMP °F</small>	Comments
Shrinkage	1.70 %	1.70 %	8 pcf blanket (Perpendicular to Thickness)
	@Temperature 1000 °C, Time 90000 sec	@Temperature 1830 °F, Time 25.0 hour	
	3.00 %	3.00 %	8 pcf blanket (Perpendicular to Thickness)
	@Temperature 1260 °C, Time 90000 sec	@Temperature 2300 °F, Time 25.0 hour	

Component Elements Properties	Metric	English	Comments
MgO	19 - 26 %	19 - 26 %	
Other	0.00 - 4.0 %	0.00 - 4.0 %	
SiO2	72 - 77 %	72 - 77 %	

Descriptive Properties	Value	Comments
Color	Bluish White	

## Contact Songhan Plastic Technology Co.,Ltd.

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