

## Zircar Refractory Composites RS-99M Refractory Sheet

Category : Ceramic , Oxide , Aluminum Oxide

**Material Notes:**

Type RS-99M is a plastic highly moldable sheet ideally suited for forming custom geometries. Information provided by ZIRCAR Refractory Composites, Inc. (ZRCI)

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Zircar-Refractory-Composites-RS-99M-Refractory-Sheet.php](http://www.lookpolymers.com/polymer_Zircar-Refractory-Composites-RS-99M-Refractory-Sheet.php)

Physical Properties	Metric	English	Comments
Density	1.70 g/cc	0.0614 lb/in <sup>3</sup>	
Loss On Ignition	4.0 - 5.0 %	4.0 - 5.0 %	
Porosity	56 %	56 %	

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	1.047 J/g-°C	0.2502 BTU/lb-°F	
Melting Point	>= 1800 °C	>= 3270 °F	
Maximum Service Temperature, Air	1650 °C	3000 °F	
Shrinkage	0.400 - 1.00 %	0.400 - 1.00 %	
	@Temperature 1200 °C, Time 3600 sec	@Temperature 2190 °F, Time 1.00 hour	
	4.00 - 5.00 %	4.00 - 5.00 %	
	@Temperature 1200 °C, Time 3600 sec	@Temperature 2190 °F, Time 1.00 hour	
	8.00 - 10.0 %	8.00 - 10.0 %	
	@Temperature 1600 °C, Time 3600 sec	@Temperature 2910 °F, Time 1.00 hour	

Component Elements Properties	Metric	English	Comments
Al2O3	>= 99 %	>= 99 %	

Descriptive Properties	Value	Comments
Color	White	

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