

Zircar Refractory Composites RS-DD Refractory Sheet

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

ZIRCAR Refractory Sheet Type RS-D is a structural high-alumina product supplied in thin sheet form. It is composed of high purity alumina, reinforced with high-alumina ceramic fibers. Refractory Sheet Type RS-D is available in four types: TYPE RS-DD is a rigid sheet that can be moistened with water to impart moldability. Information provided by ZIRCAR Refractory Composites, Inc. (ZRCI)

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zircar-Refractory-Composites-RS-DD-Refractory-Sheet.php

Physical Properties	Metric	English	Comments
Density	2.08 g/cc	0.0751 lb/in ³	

Thermal Properties	Metric	English	Comments
CTE, linear	7.00 $\mu\text{m}/\text{m}\cdot\text{°C}$	3.89 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Specific Heat Capacity	0.250 J/g-°C	0.0598 BTU/lb-°F	
Melting Point	1815 °C	3299 °F	
Maximum Service Temperature, Air	1200 °C	2190 °F	
Softening Point	775 °C	1430 °F	
Shrinkage	1.00 - 10.0 %	1.00 - 10.0 %	
	@Temperature 1000 - 1500 °C	@Temperature 1830 - 2730 °F	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	90 %	90 %	
SiO ₂	10 %	10 %	

Electrical Properties	Metric	English	Comments
Volume Resistivity	5.00e+7 ohm-cm	5.00e+7 ohm-cm	

Processing Properties	Metric	English	Comments
Moisture Content	3.0 %	3.0 %	depending on humidity

Descriptive Properties	Value	Comments
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Color Descriptive Properties	White Value	Comments
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