

Zircar Refractory Composites RS-DA 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-DA 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-DA-Refractory-Sheet.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in ³	after drying @ 100°C
	1.60 g/cc	0.0578 lb/in ³	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.490 GPa	71.1 ksi	
	@Temperature 600 °C, Time 28800 sec	@Temperature 1110 °F, Time 8.00 hour	
Compressive Yield Strength	1.38 MPa	200 psi	after firing 8 hrs. at 600°C, 10% compression

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	0.250 J/g-°C	0.0598 BTU/lb-°F	
Thermal Conductivity	6.57 W/m-K	45.6 BTU-in/hr-ft ² -°F	
	@Temperature 600 °C	@Temperature 1110 °F	
Melting Point	1815 °C	3299 °F	
Maximum Service Temperature, Air	1200 °C	2190 °F	
Shrinkage	1.00 %	1.00 %	
	@Temperature 1000 °C	@Temperature 1830 °F	
	25.0 %	25.0 %	thickness shrinkage on drying
	@Temperature 100 °C	@Temperature 212 °F	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	90 %	90 %	
Other	<= 1.0 %	<= 1.0 %	

Component Elements Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
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Moisture Content	40 %	40 %	
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Descriptive Properties	Value	Comments
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Color	White	
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Contact Songhan Plastic Technology Co.,Ltd.

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