

Zircar Refractory Composites RS-A2 Refractory Sheet

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

This product is made from Type RS-A Moldable. Type RS-A was developed as an asbestos board replacement for induction coil liners and molten metal transport, and contains no asbestos. Refractory Sheet Type RS-A is ideally suited for a wide range of high temperature, high thermal shock applications. Type RS-A2 is fired for 3 hour at 600°C(1112°F) and fully cured. Information provided by ZIRCAR Refractory Composites, Inc. (ZRCI)

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zircar-Refractory-Composites-RS-A2-Refractory-Sheet.php

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in ³	
Porosity	40 %	40 %	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	55	55	
Modulus of Rupture	0.00390 GPa	0.566 ksi	parallel to thickness
Compressive Yield Strength	9.70 MPa	1410 psi	at 10% deflection, parallel to thickness

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	1.047 J/g-°C	0.2502 BTU/lb-°F	
Thermal Conductivity	0.650 W/m-K	4.51 BTU-in/hr-ft ² -°F	parallel to thickness
Maximum Service Temperature, Air	1450 °C	2640 °F	
Shrinkage	0.000 % @Temperature 1200 °C, Time 57600 sec	0.000 % @Temperature 2190 °F, Time 16.0 hour	perpendicular to thickness

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

Processing Properties	Metric	English	Comments
Moisture Content	10 %	10 %	

Descriptive Properties	Value	Comments
Color	White	

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