

Zircar Refractory Composites RS-Cloth Refractory Sheet

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

Refractory Sheet RS-Cloth is ceramic fiber reinforced alumina composite. It offers the strength, durability, flexibility and versatility required by many high temperature applications up to 1300°C(2373°F). Its high alumina content make Refractory Sheet RS-Cloth highly resistant to many environments including molten aluminum as well as many types of fuel oils. When hardened with AL-Hard Refractory Sheet RS-Cloth becomes "rock hard" for greater strength. Information provided by ZIRCAR Refractory Composites, Inc. (ZRCI)

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	2.93 MPa	425 psi	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.600 W/m-K @Temperature 800 °C	4.16 BTU-in/hr-ft ² -°F @Temperature 1470 °F	
Melting Point	1500 °C	2730 °F	
Maximum Service Temperature, Air	1300 °C	2370 °F	
Flammability Test	0.00	0.00	Nil
Shrinkage	2.00 % @Temperature 1100 °C, Time 86400 sec	2.00 % @Temperature 2010 °F, Time 24.0 hour	

Component Elements Properties	Metric	English	Comments
Al2O3	65 %	65 %	
Other	14 %	14 %	
SiO2	21 %	21 %	

Descriptive Properties	Value	Comments
Color	White	

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