

## Zircar Refractory Composites RS-A1 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-A1 is dried to constant weight at 100°C(212°F).Information provided by ZIRCAR Refractory Composites, Inc. (ZRCI)

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Zircar-Refractory-Composites-RS-A1-Refractory-Sheet.php](http://www.lookpolymers.com/polymer_Zircar-Refractory-Composites-RS-A1-Refractory-Sheet.php)

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

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	50	50	
Modulus of Rupture	0.00340 GPa	0.493 ksi	parallel to thickness
Compressive Yield Strength	6.90 MPa	1000 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 <sup>2</sup> -°F	parallel to thickness
Maximum Service Temperature, Air	1450 °C	2640 °F	
Shrinkage	4.00 % @Temperature 1200 °C, Time 57600 sec	4.00 % @Temperature 2190 °F, Time 16.0 hour	perpendicular to thickness

Component Elements Properties	Metric	English	Comments
Al2O3	90 %	90 %	
SiO2	10 %	10 %	

Processing Properties	Metric	English	Comments
Moisture Content	10 %	10 %	

Descriptive Properties	Value	Comments
Color	White	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China