

## Zircar Ceramics HASH-60 Alumina-Silica Insulation

Category : Ceramic , Oxide , Aluminum Oxide

### Material Notes:

ZIRCAR Ceramics Alumina-Silica Insulation Type HASH-60 is a hardened insulation board used primarily for its high temperature dielectric strength in high power electrical switching equipment. Information provided by Zircar Ceramics.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Zircar-Ceramics-HASH-60-Alumina-Silica-Insulation.php](http://www.lookpolymers.com/polymer_Zircar-Ceramics-HASH-60-Alumina-Silica-Insulation.php)

Physical Properties	Metric	English	Comments
Density	0.720 g/cc	0.0260 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.00520 GPa	0.754 ksi	
Compressive Yield Strength	4.10 MPa	595 psi	at 10% Compression, Parallel to thickness
	6.90 MPa	1000 psi	at 20% Compression, Parallel to thickness

Thermal Properties	Metric	English	Comments
Melting Point	1815 °C	3299 °F	
Maximum Service Temperature, Air	1093 °C	1999 °F	
Shrinkage	1.80 % @Temperature 980 °C, Time 86400 sec	1.80 % @Temperature 1800 °F, Time 24.0 hour	Perpendicular to Thickness
	3.00 % @Temperature 1093 °C, Time 86400 sec	3.00 % @Temperature 1999 °F, Time 24.0 hour	Perpendicular to Thickness

Component Elements Properties	Metric	English	Comments
Al2O3	68 %	68 %	
SiO2	32 %	32 %	

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.20e+8 ohm-cm	2.20e+8 ohm-cm	ASTM D257
Surface Resistance	4.60e+7 ohm	4.60e+7 ohm	ASTM D257
Arc Resistance			ASTM D495

Electrical Properties	<sup>&gt;= 420 sec</sup> Metric	<sup>&gt;= 420 sec</sup> English	Comments
Descriptive Properties		Value	Comments
Color		White	

## Contact Songhan Plastic Technology Co.,Ltd.

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