

Pyrotek Valcor® G Pre-Cast Shapes

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

Applications Burner blocks Skimmer blocks Cover blocks Specialty blocks Plungers Stirrers Spouts Feeder tubes Advantages Proven performance in molten glass contact applications Smooth surface finish does not mark or streak glass Molds readily available for most components Information provided by Pyrotek.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Pyrotek-Valcor-G-Pre-Cast-Shapes.php

Physical Properties	Metric	English	Comments
Density	2.787 g/cc	0.1007 lb/in ³	
Open Porosity	22 %	22 %	
Permeability	4.0	4.0	ft ³ /hr-ft ² -in/lbs/in ²

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.00480 GPa	0.696 ksi	
	@Temperature 1538 °C	@Temperature 2800 °F	
	0.00690 GPa	1.00 ksi	
	@Temperature 1427 °C	@Temperature 2601 °F	
	0.0110 GPa	1.60 ksi	
	@Temperature 1260 °C	@Temperature 2300 °F	
	0.0131 GPa	1.90 ksi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	8.50 µm/m-°C	4.72 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Melting Point	1960 °C	3560 °F	
Shrinkage	1.90 %	1.90 %	
	@Temperature 1760 °C, Time 18000 sec	@Temperature 3200 °F, Time 5.00 hour	

Component Elements Properties	Metric	English	Comments
Al2O3	93 %	93 %	

Component Elements Properties	Metric	English	Comments
Fe2O3	0.50 %	0.50 %	
SiO2	5.0 %	5.0 %	
TiO2	0.70 %	0.70 %	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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