

## Pyrotek Pyrocast ZS Refractory Shapes

Category : Ceramic , Oxide , Silicon Oxide

**Material Notes:**

Aggregate Base: Fused Silica Applications Transfer troughs Information provided by Pyrotek.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Pyrotek-Pyrocast-ZS-Refractory-Shapes.php](http://www.lookpolymers.com/polymer_Pyrotek-Pyrocast-ZS-Refractory-Shapes.php)

Physical Properties	Metric	English	Comments
Density	2.11 g/cc	0.0762 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Compressive Strength	48.26 - 62.05 MPa	7000 - 9000 psi	after 816°C

Thermal Properties	Metric	English	Comments
CTE, linear	1.08 $\mu\text{m}/\text{m}\cdot\text{°C}$	0.600 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	0.735 W/m-K	5.10 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 538 °C	@Temperature 1000 °F	
Maximum Service Temperature, Air	1093 °C	1999 °F	

Component Elements Properties	Metric	English	Comments
Al2O3	5.0 - 7.0 %	5.0 - 7.0 %	

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