

## Pyrotek Pyrocast ZEAL Refractory Shapes

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

**Material Notes:**

Aggregate Base: MulliteApplicationsDoor sill Furnace ramp Crucible bottom / lining Information provided by Pyrotek.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	2.80 g/cc	0.101 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Compressive Strength	55.16 - 82.74 MPa	8000 - 12000 psi	after 816°C
Abrasion	6.0 - 10	6.0 - 10	Resistance (CC Loss) ASTM C704

Thermal Properties	Metric	English	Comments
CTE, linear	6.48 $\mu\text{m}/\text{m}\cdot\text{°C}$	3.60 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	1.83 W/m-K	12.7 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 538 °C	@Temperature 1000 °F	
Maximum Service Temperature, Air	1704 °C	3099 °F	

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	50 %	50 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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