

## MarkeTech Repton 125 Aluminum Oxide

Category : Ceramic , Oxide , Aluminum Oxide

**Material Notes:**

Brand 125 features: High Purity Standard. REPTON setter tiles, kiln furniture, and special fixtures are lightweight, ridge, and high strength ceramics that resist distortion and spalling, even when thermal cycled many times. They are available with a smooth or a unique textured surface that permits pinpoint contact with the load. Sticking can be eliminated as well as providing a surface that breathes, allowing gasses from the ceramic to escape. Applications include firing ceramic capacitors, SOFCs, PZTs, hard and soft ferrites, co-fired substrates and powdered metals. REPTON is available in a wide range of compositions that include a range of alumina, mullite/alumina, zirconia, cordierite, magnesia, and aluminum titanate.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_MarkeTech-Repton-125-Aluminum-Oxide.php](http://www.lookpolymers.com/polymer_MarkeTech-Repton-125-Aluminum-Oxide.php)

Physical Properties	Metric	English	Comments
Density	3.40 g/cc	0.123 lb/in <sup>3</sup>	
Porosity	1.0 %	1.0 %	

Mechanical Properties	Metric	English	Comments
Flexural Strength	>= 182 MPa	>= 26400 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	6.50 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	3.61 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 300 $\text{Å}^\circ\text{C}$	@Temperature 572 $\text{Å}^\circ\text{F}$	
	8.00 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	4.44 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 900 $\text{Å}^\circ\text{C}$	@Temperature 1650 $\text{Å}^\circ\text{F}$	

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	99.6 %	99.6 %	

Descriptive Properties	Value	Comments
Spall Resist	500 $\text{Å}^\circ\text{C}$	

## 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