

## MarkeTech Repton 214 Aluminum Oxide

Category : Ceramic , Oxide , Aluminum Oxide

**Material Notes:**

Brand 214 features: High porosity and purity. 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-214-Aluminum-Oxide.php](http://www.lookpolymers.com/polymer_MarkeTech-Repton-214-Aluminum-Oxide.php)

Physical Properties	Metric	English	Comments
Bulk Density	2.60 g/cc	0.0939 lb/in <sup>3</sup>	
Density	4.00 g/cc	0.145 lb/in <sup>3</sup>	calculated from bulk density after subtracting pore volume
Porosity	35 %	35 %	

Mechanical Properties	Metric	English	Comments
Flexural Strength	>= 56.0 MPa	>= 8120 psi	

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

Descriptive Properties	Value	Comments
Spall Resist	450 <sup>o</sup> C	

## Contact Songhan Plastic Technology Co.,Ltd.

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