

## MarkeTech Repton 914 Magnesia MgO

Category : Ceramic , Oxide , Magnesium Oxide

### Material Notes:

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-914-Magnesia-MgO.php](http://www.lookpolymers.com/polymer_MarkeTech-Repton-914-Magnesia-MgO.php)

Physical Properties	Metric	English	Comments
Bulk Density	3.10 g/cc	0.112 lb/in <sup>3</sup>	
Density	3.48 g/cc	0.126 lb/in <sup>3</sup>	calculated from bulk density after subtracting pore volume
Porosity	11 %	11 %	

Mechanical Properties	Metric	English	Comments
Flexural Strength	>= 98.0 MPa	>= 14200 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	12.0 Åµm/m-Å°C	6.67 Åµin/in-Å°F	
	@Temperature 300 Å°C	@Temperature 572 Å°F	
	14.0 Åµm/m-Å°C	7.78 Åµin/in-Å°F	
	@Temperature 900 Å°C	@Temperature 1650 Å°F	

Component Elements Properties	Metric	English	Comments
MgO	100 %	100 %	

Descriptive Properties	Value	Comments
Spall Resist	300Å°C	

## Contact Songhan Plastic Technology Co.,Ltd.

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