

MarkeTech Repton 663 Mullite

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

Brand 663 features: Zirconia.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-663-Mullite.php

Physical Properties	Metric	English	Comments
Bulk Density	2.40 g/cc	0.0867 lb/in ³	
Density	3.38 g/cc	0.122 lb/in ³	calculated from bulk density after subtracting pore volume
Porosity	29 %	29 %	

Mechanical Properties	Metric	English	Comments
Flexural Strength	>= 25.0 MPa	>= 3630 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	4.00 Åµm/m-Å°C	2.22 Åµin/in-Å°F	
	@Temperature 300 Å°C	@Temperature 572 Å°F	
	5.00 Åµm/m-Å°C	2.78 Åµin/in-Å°F	
	@Temperature 900 Å°C	@Temperature 1650 Å°F	

Component Elements Properties	Metric	English	Comments
Al2O3	80 %	80 %	
SiO2	20 %	20 %	

Descriptive Properties	Value	Comments
Spall Resist	500Å°C	

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