

MarkeTech Repton 201 Aluminum Oxide

Category : Ceramic , Oxide , Aluminum 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-201-Aluminum-Oxide.php

Physical Properties	Metric	English	Comments
Bulk Density	1.50 g/cc	0.0542 lb/in ³	
Density	4.05 g/cc	0.146 lb/in ³	calculated from bulk density after subtracting pore volume
Porosity	63 %	63 %	

Mechanical Properties	Metric	English	Comments
Flexural Strength	>= 7.00 MPa	>= 1020 psi	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	99.6 %	99.6 %	

Descriptive Properties	Value	Comments
Spall Resist	400 ^o C	

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