

Nabaltec SYMULOX® Z 72 Synthetic Sintered Mullite

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

The homogeneous phase constitution and very low amount of impurities offers considerable advantages over naturally occurring aluminosilicates. The synthesized mullite product shows very good chemical uniformity, high refractory properties and excellent high temperature stability.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Nabaltec-SYMULOX-Z-72-Synthetic-Sintered-Mullite.php

Physical Properties	Metric	English	Comments
Bulk Density	3.50 g/cc	0.126 lb/in ³	
Density	3.94 g/cc	0.142 lb/in ³	
Water Absorption	2.0 %	2.0 %	
Open Porosity	5.0 %	5.0 %	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	47 %	47 %	
CaO+MgO	0.20 %	0.20 %	
Fe ₂ O ₃	0.20 %	0.20 %	
Na ₂ O or K ₂ O	0.30 %	0.30 %	
SiO ₂	18 %	18 %	
TiO ₂	0.20 %	0.20 %	
ZrO ₂	34 %	34 %	

Descriptive Properties	Value	Comments
Baddeleyite %	33	
Corundum %	1	
Glassy Phase %	0.5	
Mullite %	60-65	

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