

Nabaltec NABALOX® NO 625-31 Reactive Alumina

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

NABALOX® aluminum oxide has a number of advantages including low sintering temperaturewide sintering rangeflexible processinghigh sintered densities high wear and impact resistanceelectrical insulationhigh mechanical strengthhigh temperature propertiesdimensional accuracyoptimized chemical resistanceRefractory Industry, Engineering Ceramics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Nabaltec-NABALOX-NO-625-31-Reactive-Alumina.php

Physical Properties	Metric	English	Comments
Bulk Density	1.10 - 1.30 g/cc	0.0397 - 0.0470 lb/in ³	
Density	2.70 g/cc	0.0975 lb/in ³	Green Density
	3.90 g/cc	0.141 lb/in ³	
	3.92 g/cc	0.142 lb/in ³	Sintered Density
Loss On Ignition	<= 0.300 % @Temperature 20.0 - 1100 °C	<= 0.300 % @Temperature 68.0 - 2010 °F	
Particle Size	>= 1.5 µm	>= 1.5 µm	Primary Crystal Size
	1.0 - 2.0 µm	1.0 - 2.0 µm	
Specific Surface Area	3.0 - 6.0 m ² /g	3.0 - 6.0 m ² /g	BET

Thermal Properties	Metric	English	Comments
Shrinkage	13 %	13 %	Sintering Shrinkage

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	>= 99.7 %	>= 99.7 %	
Fe ₂ O ₃	0.030 %	0.030 %	
Na ₂ O	0.10 %	0.10 %	
SiO ₂	0.050 %	0.050 %	

Processing Properties	Metric	English	Comments
Sintering Temperature	1725 °C	3137 °F	

Descriptive Properties	Value	Comments
alpha-Al2O3-Content %	96	

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