

Nabaltec NABALOX® NO 313 Ground 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, Wear-resistant ceramics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Nabaltec-NABALOX-NO-313-Ground-Alumina.php

Physical Properties	Metric	English	Comments
Bulk Density	0.600 - 0.800 g/cc	0.0217 - 0.0289 lb/in ³	
Density	2.05 g/cc	0.0741 lb/in ³	Green Density
	3.67 g/cc	0.133 lb/in ³	Sintered Density
	3.90 g/cc	0.141 lb/in ³	
Loss On Ignition	<= 1.00 % @Temperature 20.0 - 1100 °C	<= 1.00 % @Temperature 68.0 - 2010 °F	
Particle Size	>= 0.50 µm	>= 0.50 µm	Primary Crystal Size
	2.0 µm	2.0 µm	Median Grain Diameter
Specific Surface Area	8.0 - 12 m ² /g	8.0 - 12 m ² /g	BET

Thermal Properties	Metric	English	Comments
Shrinkage	20 %	20 %	Sintering Shrinkage

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	>= 99.6 %	>= 99.6 %	
Fe ₂ O ₃	0.030 %	0.030 %	
Na ₂ O	0.30 %	0.30 %	
SiO ₂	0.030 %	0.030 %	

Processing Properties	Metric	English	Comments
Sintering Temperature	1750 °C	3180 °F	

Descriptive Properties	Value	Comments
alpha-Al2O3-Content %	95	

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