

Nabaltec NABALOX® NO 613-10 Reactive Alumina

Category : Ceramic , Oxide , Aluminum Oxide , Other Engineering Material , Additive/Filler for Polymer

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 CeramicsInformation provided by Nabaltec.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Nabaltec-NABALOX-NO-613-10-Reactive-Alumina.php

Physical Properties	Metric	English	Comments
Bulk Density	0.950 g/cc	0.0343 lb/in³	
Density	2.20 g/cc	0.0795 lb/in³	Green
	3.88 g/cc	0.140 lb/in³	Sintered
Grain Size	1.0 µm	1.0 µm	Median
Specific Surface Area	6.0 m²/g	6.0 m²/g	BET

Thermal Properties	Metric	English	Comments
Shrinkage	18 %	18 %	

Component Elements Properties	Metric	English	Comments
Al2O3	99.7 %	99.7 %	
Fe2O3	0.030 %	0.030 %	
MgO	0.080 %	0.080 %	Doped
Na2O	0.10 %	0.10 %	
SiO2	0.050 %	0.050 %	

Processing Properties	Metric	English	Comments
Sintering Temperature	1600 °C	2910 °F	

Descriptive Properties	Value	Comments
α-Al2O3 Content %	95	

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