

Nabaltec GRANALOX® NM 9922 Ceramic Bodies

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

Nabaltec's GRANALOX® Ceramic bodies are produced under rigid quality control of green and sintered density, shrinkage, porosity, loss on ignition and granulate size. The properties of the corundum are tailored to the application areas in which the material is used such as wear resistance, high temperature stability, good electrical insulation, thermal conductivity and corrosion resistance. Used in engineering ceramics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Nabaltec-GRANALOX-NM-9922-Ceramic-Bodies.php

Physical Properties	Metric	English	Comments
Bulk Density	1.15 - 1.25 g/cc	0.0415 - 0.0452 lb/in ³	
Density	3.86 - 3.92 g/cc	0.139 - 0.142 lb/in ³	Sintered Density
Moisture Absorption at Equilibrium	0.20 - 0.50 %	0.20 - 0.50 %	
Loss On Ignition	3.0 %	3.0 %	
Particle Size	160 - 200 µm	160 - 200 µm	Median Grain Diameter

Thermal Properties	Metric	English	Comments
Shrinkage	17 - 18 %	17 - 18 %	linear

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	99.7 %	99.7 %	
Na ₂ O	0.10 %	0.10 %	

Processing Properties	Metric	English	Comments
Sintering Temperature	1600 °C	2910 °F	
	1550 - 1700 °C	2820 - 3090 °F	Interval (dense ceramic parts)

Descriptive Properties	Value	Comments
Dwell Time hr.	2	

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