

Nabaltec GRANALOX® NM 9923 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-9923-Ceramic-Bodies.php

Physical Properties	Metric	English	Comments
Bulk Density	1.25 - 1.35 g/cc	0.0452 - 0.0488 lb/in³	
Density	3.82 - 3.90 g/cc	0.138 - 0.141 lb/in³	Sintered Density
Moisture Absorption at Equilibrium	0.10 - 0.30 %	0.10 - 0.30 %	
Loss On Ignition	3.0 %	3.0 %	
Particle Size	180 - 230 µm	180 - 230 µm	Median Grain Diameter

Thermal Properties	Metric	English	Comments
Shrinkage	15.5 - 16.5 %	15.5 - 16.5 %	linear

Component Elements Properties	Metric	English	Comments
Al2O3	99 %	99 %	
Na2O	0.10 %	0.10 %	

Processing Properties	Metric	English	Comments
Sintering Temperature	1700 - 1800 °C	3090 - 3270 °F	Interval (dense ceramic parts)
	1750 °C	3180 °F	

Descriptive Properties	Value	Comments
Dwell Time hr.	1.5	

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