

Nabaltec GRANALOX® NM 9212 F 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 electrical insulating and polishable machinery parts, chemical resistant and ballistic ceramics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Nabaltec-GRANALOX-NM-9212-F-Ceramic-Bodies.php

Physical Properties	Metric	English	Comments
Bulk Density	1.20 - 1.30 g/cc	0.0434 - 0.0470 lb/in ³	
Density	3.65 - 3.75 g/cc	0.132 - 0.135 lb/in ³	Sintered Density
Moisture Absorption at Equilibrium	0.20 - 0.50 %	0.20 - 0.50 %	
Loss On Ignition	6.5 %	6.5 %	
Particle Size	110 - 150 µm	110 - 150 µm	Median Granulate Size

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

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	92 %	92 %	
Na ₂ O	0.10 %	0.10 %	

Processing Properties	Metric	English	Comments
Sintering Temperature	1580 °C	2880 °F	
	1550 - 1650 °C	2820 - 3000 °F	Interval (dense ceramic parts)

Descriptive Properties	Value	Comments
Dwell Time hr.	2	

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