

Nabaltec GRANALOX® NM 9212 E 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 wear resistant ceramics and standard machinery parts

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Bulk Density	1.25 - 1.35 g/cc	0.0452 - 0.0488 lb/in³	
Density	3.68 - 3.72 g/cc	0.133 - 0.134 lb/in³	Sintered Density
Moisture Absorption at Equilibrium	0.20 - 0.50 %	0.20 - 0.50 %	
Loss On Ignition	6.0 %	6.0 %	
Particle Size	180 - 230 µm	180 - 230 µm	Median Granulate Size

Thermal Properties	Metric	English	Comments
Shrinkage	15 - 16 %	15 - 16 %	linear

Component Elements Properties	Metric	English	Comments
Al2O3	92 %	92 %	
Na2O	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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