

## Nabaltec GRANALOX® NM 9620 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-9620-Ceramic-Bodies.php](http://www.lookpolymers.com/polymer_Nabaltec-GRANALOX-NM-9620-Ceramic-Bodies.php)

Physical Properties	Metric	English	Comments
Bulk Density	1.25 - 1.35 g/cc	0.0452 - 0.0488 lb/in <sup>3</sup>	
Density	3.70 - 3.75 g/cc	0.134 - 0.135 lb/in <sup>3</sup>	Sintered Density
Moisture Absorption at Equilibrium	0.10 - 0.30 %	0.10 - 0.30 %	
Loss On Ignition	4.0 %	4.0 %	
Particle Size	180 - 230 µm	180 - 230 µm	Median Grain Diameter

Thermal Properties	Metric	English	Comments
Shrinkage	14.5 - 15.5 %	14.5 - 15.5 %	linear

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	96 %	96 %	
Na <sub>2</sub> O	0.10 %	0.10 %	

Processing Properties	Metric	English	Comments
Sintering Temperature	1620 °C	2950 °F	
	1580 - 1700 °C	2880 - 3090 °F	Interval (dense ceramic parts)

Descriptive Properties	Value	Comments
Dwell Time hr.	1	

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