

Anderman Ceramics EZM 96 Zirconia, 96.5%, Magnesia-Stabilized

Category : Ceramic , Oxide , Zirconium Oxide

Material Notes:

Zirconia materials offer high temperature capability as well as excellent performance in areas of high wear and corrosion. Available in many shapes and sizes.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Anderman-Ceramics-EZM-96-Zirconia-965-Magnesia-Stabilized.php

Physical Properties	Metric	English	Comments
Density	5.85 g/cc	0.211 lb/in ³	
Open Porosity	0.00 %	0.00 %	

Mechanical Properties	Metric	English	Comments
Hardness, Mohs	8.0	8.0	
Tensile Strength	414 MPa	60000 psi	
Flexural Strength	724 MPa	105000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	10.1 µm/m-°C	5.61 µin/in-°F	
Thermal Conductivity	2.20 W/m-K @Temperature 20.0 - 100 °C	15.3 BTU-in/hr-ft ² -°F @Temperature 68.0 - 212 °F	
Maximum Service Temperature, Air	1200 °C	2190 °F	

Component Elements Properties	Metric	English	Comments
MgO	3.5 %	3.5 %	
ZrO2	96.5 %	96.5 %	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1e+05 @Temperature 600 °C	1e+05 @Temperature 1110 °F	
	1.00e+13 ohm-cm @Temperature 20.0 °C	1.00e+13 ohm-cm @Temperature 68.0 °F	
	28	28	

Electrical Properties	Metric	English	Comments
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	

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