

## Anderman Ceramics EZY 94 Zirconia, 94%, Yttria-Stabilized

Category : Ceramic , Oxide , Zirconium Oxide

### Material Notes:

Dense impervious zirconia for high wear and aggressive engineering applications. Available in many shapes and sizes. Information provided by Anderman Ceramics.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Anderman-Ceramics-EZY-94-Zirconia-94-Yttria-Stabilized.php](http://www.lookpolymers.com/polymer_Anderman-Ceramics-EZY-94-Zirconia-94-Yttria-Stabilized.php)

Physical Properties	Metric	English	Comments
Density	6.02 g/cc	0.217 lb/in <sup>3</sup>	
Open Porosity	0.00 %	0.00 %	Gas Tight

Mechanical Properties	Metric	English	Comments
Hardness, Mohs	8.0	8.0	
Flexural Strength	1030 MPa	150000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	10.3 $\mu\text{m}/\text{m}\cdot\text{°C}$	5.72 $\mu\text{in}/\text{in}\cdot\text{°F}$	
Thermal Conductivity	2.20 W/m-K @Temperature 20.0 - 100 °C	15.3 BTU-in/hr-ft <sup>2</sup> -°F @Temperature 68.0 - 212 °F	
Maximum Service Temperature, Air	2400 °C	4350 °F	

Component Elements Properties	Metric	English	Comments
Y2O3	5.9 %	5.9 %	
ZrO2	94 %	94 %	

Electrical Properties	Metric	English	Comments
Volume Resistivity	10000 ohm-cm @Temperature 600 °C	10000 ohm-cm @Temperature 1110 °F	
	1.00e+13 ohm-cm @Temperature 20.0 °C	1.00e+13 ohm-cm @Temperature 68.0 °F	
Dielectric Constant	29 @Frequency 1.00e+6	29 @Frequency 1.00e+6	

Electrical Properties	Hz Metric	Hz English	Comments
Descriptive Properties		Value	Comments
Thermal Shock Resistance		Medium	

## Contact Songhan Plastic Technology Co.,Ltd.

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