

## Anderman Ceramics EREY99 Yttrium Oxide

Category : Ceramic , Oxide

**Material Notes:**

Rare earth refractory oxide ceramics exhibit very high thermal stability, wear resistance, and strength. They are widely used in applications above 3090 °F (1700 °C), nuclear, high performance metal melting, oxygen sensors, and semiconductor applications. Products are offered in a wide variety of shapes and sizes.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Anderman-Ceramics-EREY99-Yttrium-Oxide.php](http://www.lookpolymers.com/polymer_Anderman-Ceramics-EREY99-Yttrium-Oxide.php)

Physical Properties	Metric	English	Comments
Density	4.95 g/cc	0.179 lb/in <sup>3</sup>	
Open Porosity	<= 2.0 %	<= 2.0 %	

Thermal Properties	Metric	English	Comments
CTE, linear	8.50 - 13.7 $\mu\text{m}/\text{m}\cdot\text{°C}$	4.72 - 7.61 $\mu\text{in}/\text{in}\cdot\text{°F}$	
Thermal Conductivity	0.300 W/m-K @Temperature 20.0 - 100 °C	2.08 BTU-in/hr-ft <sup>2</sup> -°F @Temperature 68.0 - 212 °F	
Maximum Service Temperature, Air	2000 °C	3630 °F	

Component Elements Properties	Metric	English	Comments
Y2O3	99.9 %	99.9 %	

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