

**Aremco AREMCOLOX™ 502-1400 (Full-Fired) Dense Alumina**

Category : Ceramic , Oxide , Aluminum Oxide

**Material Notes:**

Parts fabricated to print. Excellent physical properties and corrosion resistance. For pump liners, nozzles, guides. Standard crucibles and bolts, nuts and washers from 4-40 to 1/4-20.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Aremco-AREMCOLOX-502-1400-Full-Fired-Dense-Alumina.php](http://www.lookpolymers.com/polymer_Aremco-AREMCOLOX-502-1400-Full-Fired-Dense-Alumina.php)

Physical Properties	Metric	English	Comments
Specific Gravity	3.90 g/cc	3.90 g/cc	
Porosity	0.00 %	0.00 %	

Mechanical Properties	Metric	English	Comments
Hardness, Mohs	9.0	9.0	
Flexural Strength	317 MPa	46000 psi	
Compressive Strength	2340 MPa	340000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	6.30 $\mu\text{m}/\text{m}\cdot\text{°C}$	3.50 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	31.7 W/m-K	220 BTU-in/hr-ft <sup>2</sup> -°F	
Maximum Service Temperature, Air	1650 °C	3000 °F	

Electrical Properties	Metric	English	Comments
Dielectric Constant	9.3	9.3	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	8.86 kV/mm	225 kV/in	
Dissipation Factor	0.0018	0.0018	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

**Contact Songhan Plastic Technology Co.,Ltd.**Website : [www.lookpolymers.com](http://www.lookpolymers.com)Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215, Fengxian District, Shanghai City, China**