

Aremco AREMCOLOX™ 502-400 Machinable Glass Ceramic

Category : Ceramic , Glass , Glass Ceramic , Machinable Ceramic

Material Notes:

High dielectric and mechanical strength. For high voltage insulators, coil forms, soldering fixtures, arc barriers. Readily machined, no firing required. Plates from 1/8" to 1" thick; rods from 1/4" to 1" diameter.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aremco-AREMCOLOX-502-400-Machinable-Glass-Ceramic.php

Physical Properties	Metric	English	Comments
Specific Gravity	3.00 g/cc	3.00 g/cc	
Porosity	0.00 %	0.00 %	

Mechanical Properties	Metric	English	Comments
Hardness, Mohs	5.5	5.5	
Flexural Strength	89.6 MPa	13000 psi	
Compressive Strength	310 MPa	45000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	10.8 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	6.00 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
	@Temperature 20.0 $^\circ\text{C}$	@Temperature 68.0 $^\circ\text{F}$	
Thermal Conductivity	0.867 W/m-K	6.02 BTU-in/hr-ft ² - $^\circ\text{F}$	
Maximum Service Temperature, Air	399 $^\circ\text{C}$	750 $^\circ\text{F}$	

Electrical Properties	Metric	English	Comments
Dielectric Constant	6.7	6.7	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	28.7 kV/mm	730 kV/in	
Dissipation Factor	0.0090	0.0090	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

Contact Songhan Plastic Technology Co.,Ltd.Website : www.lookpolymers.comEmail : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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