

GBC Cerasilâ,ç 223U Ceramic

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

Has a lower CTE, better thermal shock resistance, lower firing temperature, and lower consistent shrinkage than steatite. Applications: ideal for volume production of small pressed insulators often replacing steatite and alumina parts. Machinability: less tool wear than steatite resulting in lower production costs.

Order this product through the following link:

http://www.lookpolymers.com/polymer_GBC-Cerasil-223U-Ceramic.php

Physical Properties	Metric	English	Comments
Density	2.40 g/cc	0.0867 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	69.0 MPa	10000 psi	
Flexural Strength	100 MPa	14500 psi	
Compressive Strength	600 MPa	87000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	5.00 Åµm/m-Å°C	2.78 Åµin/in-Å°F	
	@Temperature 20.0 Å°C	@Temperature 68.0 Å°F	
Thermal Conductivity	1.00 W/m-K	6.94 BTU-in/hr-ftÅ²-Å°F	
Maximum Service Temperature, Air	980 Å°C	1800 Å°F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	
Dielectric Constant	5.3	5.3	
Dielectric Strength	8.00 kV/mm	203 kV/in	
Dissipation Factor	0.015	0.015	
Dielectric Loss Index	0.050	0.050	at 100 MHz

Descriptive Properties	Value	Comments
Color	Tan	

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