

## Sapco C 220 Steatite

Category : Ceramic , Oxide , Magnesium Oxide , Silicon Oxide

### Material Notes:

Information provided by Sapco.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Sapco-C-220-Steatite.php](http://www.lookpolymers.com/polymer_Sapco-C-220-Steatite.php)

Physical Properties	Metric	English	Comments
Density	2.60 g/cc	0.0939 lb/in <sup>3</sup>	
Open Porosity	0.00 %	0.00 %	

Mechanical Properties	Metric	English	Comments
Hardness, Mohs	7.0	7.0	
Tensile Strength, Ultimate	75.0 MPa	10900 psi	
Modulus of Elasticity	80.0 GPa	11600 ksi	
Flexural Strength	120 MPa	17400 psi	
Compressive Strength	800 MPa	116000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	7.00 $\mu\text{m/m}\cdot\text{Å}^\circ\text{C}$	3.89 $\mu\text{in/in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 $\text{Å}^\circ\text{C}$	@Temperature 68.0 $\text{Å}^\circ\text{F}$	
Specific Heat Capacity	0.900 J/g- $\text{Å}^\circ\text{C}$	0.215 BTU/lb- $\text{Å}^\circ\text{F}$	
Thermal Conductivity	2.60 W/m-K	18.0 BTU-in/hr-ft $\text{Å}^2\cdot\text{Å}^\circ\text{F}$	
Maximum Service Temperature, Air	1200 $\text{Å}^\circ\text{C}$	2190 $\text{Å}^\circ\text{F}$	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+11 ohm-cm	1.00e+11 ohm-cm	
Dielectric Constant	5.0	5.0	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	13.0 kV/mm	330 kV/in	AC
Dissipation Factor	0.00062	0.00062	

Electrical Properties	@Frequency 1e+6 Hz Metric	@Frequency 1e+6 Hz English	Comments
Dielectric Loss Index	250	250	

## Contact Songhan Plastic Technology Co.,Ltd.

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