

## Du-Co Ceramics DC-9-L-3 Steatite

Category : Ceramic , Oxide , Magnesium Oxide , Silicon Oxide

### Material Notes:

Properties reported below are averages from unglazed specimens. Tests performed to ASTM specifications. Actual values may vary.

Information provided by DU-CO Ceramics Company.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Du-Co-Ceramics-DC-9-L-3-Steatite.php](http://www.lookpolymers.com/polymer_Du-Co-Ceramics-DC-9-L-3-Steatite.php)

Physical Properties	Metric	English	Comments
Density	2.60 g/cc	0.0939 lb/in <sup>3</sup>	
Water Absorption	0.00 - 0.020 %	0.00 - 0.020 %	

Mechanical Properties	Metric	English	Comments
Hardness, Mohs	7.5	7.5	
Tensile Strength, Ultimate	59.0 MPa	8560 psi	
Flexural Strength	124 MPa	18000 psi	
Compressive Strength	552 MPa	80100 psi	
Impact Test	0.560 J	0.413 ft-lb	unspecified impact test

Thermal Properties	Metric	English	Comments
CTE, linear	8.00 $\mu\text{m}/\text{m}\cdot\text{C}$	4.44 $\mu\text{in}/\text{in}\cdot\text{F}$	
	@Temperature 20.0 - 650 $^{\circ}\text{C}$	@Temperature 68.0 - 1200 $^{\circ}\text{F}$	
Thermal Conductivity	3.40 W/m-K	23.6 BTU-in/hr-ft <sup>2</sup> - $^{\circ}\text{F}$	
Maximum Service Temperature, Air	1000 $^{\circ}\text{C}$	1830 $^{\circ}\text{F}$	Safe Operating Temp

Electrical Properties	Metric	English	Comments
Dielectric Constant	5.5	5.5	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	9.10 kV/mm	231 kV/in	
Dissipation Factor	0.0050	0.0050	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Loss Index	0.028	0.028	1 MHz

## **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**