

## Ceradyne Ceralloy® 6703 MgO-SiC

Category : Ceramic , Carbide , Oxide , Magnesium Oxide

**Material Notes:**

Applications: absorbersbuttonsInformation provided by Ceradyne Company

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ceradyne-Ceralloy-6703-MgO-SiC.php](http://www.lookpolymers.com/polymer_Ceradyne-Ceralloy-6703-MgO-SiC.php)

Physical Properties	Metric	English	Comments
Density	3.50 g/cc	0.126 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Flexural Strength	200 MPa	29000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	15.4 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	8.56 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
	@Temperature 20.0 - 1000 $^\circ\text{C}$	@Temperature 68.0 - 1830 $^\circ\text{F}$	
Thermal Conductivity	30.0 W/m-K	208 BTU-in/hr-ft <sup>2</sup> - $^\circ\text{F}$	

Electrical Properties	Metric	English	Comments
Dielectric Constant	10.9	10.9	
	@Frequency 1.20e+10 Hz	@Frequency 1.20e+10 Hz	
	11.1	11.1	
	@Frequency 1e+10 Hz	@Frequency 1e+10 Hz	
Dissipation Factor	11.2	11.2	
	@Frequency 8.00e+9 Hz	@Frequency 8.00e+9 Hz	
	0.020	0.020	
	@Frequency 8.00e+9 Hz	@Frequency 8.00e+9 Hz	
	0.020	0.020	
	@Frequency 1e+10 Hz	@Frequency 1e+10 Hz	
	0.020	0.020	
	@Frequency 1.20e+10 Hz	@Frequency 1.20e+10 Hz	

Descriptive Properties	Value	Comments
Composition	MgO+2%SiC	

## 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