

## Du-Co Ceramics S-461 Magnesia

Category : Ceramic , Oxide , Magnesium Oxide

### Material Notes:

Du-Co Ceramics Company manufactures a variety of crushable ceramic materials for use worldwide in cartridge heaters, thermocouples, and mineral insulated cable. The crushable ceramic products are custom designed to meet specifications for purity and crushability.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Du-Co-Ceramics-S-461-Magnesia.php](http://www.lookpolymers.com/polymer_Du-Co-Ceramics-S-461-Magnesia.php)

Physical Properties	Metric	English	Comments
Bulk Density	2.38 g/cc	0.0860 lb/in <sup>3</sup>	
Porosity	>= 14 %	>= 14 %	

Mechanical Properties	Metric	English	Comments
Flexural Strength	13.8 - 68.9 MPa	2000 - 10000 psi	
Compressive Strength	13.8 - 103 MPa	2000 - 15000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	12.7 $\mu\text{m/m-}^{\circ}\text{C}$ @Temperature 25.0 - 700 $^{\circ}\text{C}$	7.06 $\mu\text{in/in-}^{\circ}\text{F}$ @Temperature 77.0 - 1290 $^{\circ}\text{F}$	
Maximum Service Temperature, Air	>= 2000 $^{\circ}\text{C}$	>= 3630 $^{\circ}\text{F}$	

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	<= 0.15 %	<= 0.15 %	
CaO	<= 0.35 %	<= 0.35 %	
Fe <sub>2</sub> O <sub>3</sub>	<= 0.15 %	<= 0.15 %	
MgO	>= 99.4 %	>= 99.4 %	
SiO <sub>2</sub>	<= 0.15 %	<= 0.15 %	

Descriptive Properties	Value	Comments
B+Cd (ppm)	<= 30	

## 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