

Corning 7056 Alkali Borosilicate Crushed/Powdered Glass

Category : Ceramic , Glass , Optical , Oxide , Silicon Oxide

Material Notes:

Crushed/Powdered glass available in mesh sizes 4 through 325 and can be customized. Used primarily as a Kovar Sealing Glass. This product is used in MOEMS applications. Information provided by Corning Incorporated.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Corning-7056-Alkali-Borosilicate-CrushedPowdered-Glass.php

Physical Properties	Metric	English	Comments
Density	2.29 g/cc	0.0827 lb/in ³	

Mechanical Properties	Metric	English	Comments
Modulus of Elasticity	62.8 GPa	9110 ksi	
Poissons Ratio	0.21	0.21	
Shear Modulus	26.5 GPa	3840 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	5.15 $\mu\text{m}/\text{m}\cdot\text{°C}$	2.86 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 0.000 - 300 °C	@Temperature 32.0 - 572 °F	
Softening Point	5.45 $\mu\text{m}/\text{m}\cdot\text{°C}$	3.03 $\mu\text{in}/\text{in}\cdot\text{°F}$	Set Point
	@Temperature 25.0 - 679 °C	@Temperature 77.0 - 1250 °F	
Working Point	718 °C	1320 °F	10 ^{>7.6</sup> Poise}
Annealing Point	1058 °C	1936 °F	10 ^{>4</sup> Poise}
Strain Point	512 °C	954 °F	10 ^{>13</sup> Poise}
	472 °C	882 °F	10 ^{>14</sup> Poise}

Optical Properties	Metric	English	Comments
Refractive Index	1.487	1.487	
	@Wavelength 589.3 nm	@Wavelength 589.3 nm	

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.50e+8 ohm-cm	2.50e+8 ohm-cm	

Electrical Properties	@Temperature 350 °C Metric	@Temperature 662 °F English	Comments
	2.00e+10 ohm-cm	2.00e+10 ohm-cm	
	@Temperature 250 °C	@Temperature 482 °F	
Dielectric Constant	5.7	5.7	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dissipation Factor	0.0027	0.0027	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China