

Mo-Sci Corporation GL-0271 E-Glass Spheres

Category : Ceramic , Glass , Oxide , Silicon Oxide

Material Notes:

Appearance: Solid low alkali E-glass beads with greenish color. Chemical Durability: Weight loss @ 90Â°C for 24 hrs in 5% HCl 0.3 mg/cm2 Information provided by Mo-Sci Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Mo-Sci-Corporation-GL-0271-E-Glass-Spheres.php

Physical Properties	Metric	English	Comments
Bulk Density	1.30 g/cc	0.0470 lb/inÂ³	of Dry Beads
Density	2.60 g/cc	0.0939 lb/inÂ³	
pH	6.2	6.2	in water

Mechanical Properties	Metric	English	Comments
Hardness, Vickers	6.4	6.4	[Gpa]
Hardness, Mohs	7.5	7.5	
Modulus of Elasticity	8.50 GPa	1230 ksi	
Compressive Strength	382 MPa	55400 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	6.00 Âµm/m-Â°C	3.33 Âµin/in-Â°F	
	@Temperature 30.0 - 300 Â°C	@Temperature 86.0 - 572 Â°F	
Softening Point	840 - 850 Â°C	1540 - 1560 Â°F	

Optical Properties	Metric	English	Comments
Refractive Index	1.54 - 1.56	1.54 - 1.56	

Component Elements Properties	Metric	English	Comments
Al2O3	11 - 17 %	11 - 17 %	
B2O3	6.0 - 7.0 %	6.0 - 7.0 %	
CaO	18 - 25 %	18 - 25 %	
Fe2O3	<= 0.50 %	<= 0.50 %	

^{K2O} Component Elements Properties	^{<= 0.020 %} Metric	^{<= 0.020 %} English	Comments
MgO	0.50 - 1.0 %	0.50 - 1.0 %	
Na2O	<= 0.50 %	<= 0.50 %	
SiO2	52 - 58 %	52 - 58 %	

Electrical Properties	Metric	English	Comments
Dielectric Constant	6.3	6.3	
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dissipation Factor	0.016	0.016	
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+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