

Mo-Sci Corporation GL-0252 Blue Soda-Lime Glass Spheres

Category : Ceramic , Glass , Oxide , Silicon Oxide

Material Notes:

Appearance: Solid soda-lime glass microspheres with light blue color in powder form. Typical applications of GL-0252 glass microspheres include: spacer for gauge control, thermal expansion reduction filler for adhesives and polymers, plus they have the advantage of being colored for visualization. Information provided by Mo-Sci Corporation.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Mo-Sci-Corporation-GL-0252-Blue-Soda-Lime-Glass-Spheres.php

Physical Properties	Metric	English	Comments
Bulk Density	1.30 g/cc	0.0470 lb/in ³	of Dry Beads
Density	2.50 g/cc	0.0903 lb/in ³	
pH	7.8	7.8	in water

Mechanical Properties	Metric	English	Comments
Compressive Strength	274.93 MPa	39875 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	9.00 Åµm/m-Å°C	5.00 Åµin/in-Å°F	
	@ Temperature 30.0 - 300 Å°C	@ Temperature 86.0 - 572 Å°F	
Softening Point	650 Å°C	1200 Å°F	

Component Elements Properties	Metric	English	Comments
Al2O3	1.0 - 3.0 %	1.0 - 3.0 %	
CaO	9.0 - 10 %	9.0 - 10 %	
Fe2O3	3.0 - 5.0 %	3.0 - 5.0 %	
MgO	1.0 - 3.0 %	1.0 - 3.0 %	
Na2O	10 - 15 %	10 - 15 %	
SiO2	60 - 70 %	60 - 70 %	

Descriptive Properties	Value	Comments
Approximate Coating Thickness	600-1000 angstroms	
Chemical Composition	6-8%	Co304

Descriptive Properties	Value	Comments
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