

Mo-Sci Corporation GL-0191 Soda-Lime Glass Spheres

Category : Ceramic , Glass , Oxide , Silicon Oxide

Material Notes:

Appearance: Solid soda-lime glass beads with light green color in powder form Typical applications of GL0191 beads include: spacer material for gauge control, coating, filler for plastic, retroreflection applications and etc. Information provided by Mo-Sci Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Mo-Sci-Corporation-GL-0191-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 $\mu\text{m/m}\cdot\text{C}^\circ$	5.00 $\mu\text{in/in}\cdot\text{F}^\circ$	
	@Temperature 30.0 - 300 C°	@Temperature 86.0 - 572 F°	
Softening Point	650 C°	1200 F°	

Optical Properties	Metric	English	Comments
Refractive Index	1.51	1.51	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	0.00 - 5.0 %	0.00 - 5.0 %	
CaO	6.0 - 15 %	6.0 - 15 %	
Fe ₂ O ₃	<= 0.80 %	<= 0.80 %	
MgO	1.0 - 5.0 %	1.0 - 5.0 %	
Na ₂ O	10 - 20 %	10 - 20 %	
SiO ₂	65 - 75 %	65 - 75 %	

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