

Mo-Sci Corporation GL-0186 Borosilicate Glass Spheres

Category : Ceramic , Glass , Oxide , Silicon Oxide

Material Notes:

Appearance: Solid clear borosilicate glass microspheres with white color in powder form. Typical applications of GL0186 beads include: high temperature 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-0186-Borosilicate-Glass-Spheres.php

Physical Properties	Metric	English	Comments
Bulk Density	1.20 g/cc	0.0434 lb/in ³	of Dry Beads
Density	2.20 g/cc	0.0795 lb/in ³	
pH	7.0	7.0	in water

Thermal Properties	Metric	English	Comments
CTE, linear	3.20 Åµm/m-Å°C	1.78 Åµin/in-Å°F	
	@Temperature 30.0 - 300 Å°C	@Temperature 86.0 - 572 Å°F	
Softening Point	830 Å°C	1530 Å°F	

Optical Properties	Metric	English	Comments
Refractive Index	1.47 - 1.48	1.47 - 1.48	

Component Elements Properties	Metric	English	Comments
Al2O3	2.0 - 5.0 %	2.0 - 5.0 %	
B2O3	10 - 15 %	10 - 15 %	
Na2O	5.0 - 10 %	5.0 - 10 %	
SiO2	70 - 85 %	70 - 85 %	

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