

Mo-Sci Corporation GL-0261 Ni Coated Borosilicate Glass Spheres

Category : Ceramic , Glass , Oxide , Silicon Oxide

Material Notes:

Appearance: Solid borosilicate glass microspheres with metallic nickel coating
 Typical applications of GL-0261 glass microspheres include: conductive filler for plastic, pigment, and etc.
 Information provided by Mo-Sci Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Mo-Sci-Corporation-GL-0261-Ni-Coated-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 - 2.30 g/cc	0.0795 - 0.0831 lb/in ³	
pH	7.0	7.0	in water

Thermal Properties	Metric	English	Comments
CTE, linear	3.20 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$ @Temperature 30.0 - 300 $\text{Å}^\circ\text{C}$	1.78 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$ @Temperature 86.0 - 572 $\text{Å}^\circ\text{F}$	
Softening Point	830 $\text{Å}^\circ\text{C}$	1530 $\text{Å}^\circ\text{F}$	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	2.0 - 5.0 %	2.0 - 5.0 %	Glass
B ₂ O ₃	10 - 15 %	10 - 15 %	Glass
Na ₂ O	5.0 - 10 %	5.0 - 10 %	Glass
Nickel, Ni	90 - 95 %	90 - 95 %	Coating
Phosphorous, P	2.0 - 10 %	2.0 - 10 %	Coating
SiO ₂	70 - 80 %	70 - 80 %	Glass

Descriptive Properties	Value	Comments
Conductivity	0-1% 1/ohm-cm	of pure nickel

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