

Mo-Sci Corporation GL-0262 Ni Coated Soda-Lime Glass Spheres

Category : Ceramic , Glass , Oxide , Silicon Oxide

Material Notes:

Appearance: Solid soda-lime glass microspheres with metallic nickel coating
 Typical applications of GL-0262 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-0262-Ni-Coated-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	

Thermal Properties	Metric	English	Comments
CTE, linear	9.00 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$ @Temperature 30.0 - 300 $\text{Å}^\circ\text{C}$	5.00 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$ @Temperature 86.0 - 572 $\text{Å}^\circ\text{F}$	
Softening Point	650 $\text{Å}^\circ\text{C}$	1200 $\text{Å}^\circ\text{F}$	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	1.0 - 4.0 %	1.0 - 4.0 %	Glass
CaO	9.0 - 12 %	9.0 - 12 %	Glass
Fe ₂ O ₃	<= 0.30 %	<= 0.30 %	Glass
MgO	1.0 - 3.0 %	1.0 - 3.0 %	Glass
Na ₂ O	13 - 17 %	13 - 17 %	Glass
Nickel, Ni	90 - 95 %	90 - 95 %	Coating
Phosphorous, P	2.0 - 10 %	2.0 - 10 %	Coating
SiO ₂	69 - 72 %	69 - 72 %	Glass

Descriptive Properties	Value	Comments
Approximate Coating Thickness	600-1000 angstroms	
Conductivity	0-1% 1/ohm-cm	of pure nickel

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