

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

Category : Ceramic , Glass , Oxide , Silicon Oxide

Material Notes:

Appearance: Solid soda-lime glass microspheres that appear colorless Typical applications of GL0191S glass microspheres include: grinding, mixing media, filter aids, filter media, and thermal expansion reduction filler for adhesives and polymers. Information provided by Mo-Sci Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Mo-Sci-Corporation-GL-0191-S-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 - 4.0 %	1.0 - 4.0 %	
CaO	9.0 - 12 %	9.0 - 12 %	
Fe2O3	<= 0.30 %	<= 0.30 %	
MgO	1.0 - 3.0 %	1.0 - 3.0 %	
Na2O	13 - 17 %	13 - 17 %	
SiO2	69 - 72 %	69 - 72 %	

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