

SPHERE ONE EXTENDOSPHERES[®],ç SG Hollow Spheres

Category : Ceramic , Oxide , Silicon Oxide , Other Engineering Material , Additive/Filler for Polymer

Material Notes:

EXTENDOSPHERES[®],ç hollow spheres are efficient, lightweight additives for most resin systems. When Extendospheres[®],ç replace heavier, more expensive components on an equivalent volume basis, they can reduce raw material costs as well as density. Applications:

EXTENDOSPHERES[®],ç SG & MG hollow spheres are a standard grade. They are recommended for use in cement, grout, sealants, roofing compounds, PVC and latex flooring. Information provided by Sphere One Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SPHERE-ONE-EXTENDOSPHERES-SG-Hollow-Spheres.php

Physical Properties	Metric	English	Comments
Bulk Density	0.400 g/cc	0.0145 lb/in ³	
Density	0.700 - 0.800 g/cc	0.0253 - 0.0289 lb/in ³	
Particle Size	140 Åµm	140 Åµm	Average mean
	10 - 500 Åµm	10 - 500 Åµm	

Mechanical Properties	Metric	English	Comments
Hardness, Mohs	5.0	5.0	
Compressive Strength	20.7 MPa	3000 psi	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	1300 Å°C	2370 Å°F	Deformation temp

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	28 - 33 %	28 - 33 %	
Fe ₂ O ₃	<= 4.0 %	<= 4.0 %	
SiO ₂	58 - 65 %	58 - 65 %	

Descriptive Properties	Value	Comments
Color	Gray	
Physical Form	Free-Flowing Powder	
Shell Thickness	Approx. 10% of diameter	

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