

SPHERE ONE EXTENDOSPHERES[®],ç SLG Hollow Spheres

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

Material Notes:

EXTENDOSPHERES[®],ç SL are white, low-cost, low-density ceramic hollow spheres. Applications: With a density of 0.73 g/cc and a crush strength of 3,000 psi, these hollow spheres are ideal for use in coatings, sealants, caulks and other applications where low shrinkage, lightweight and white particles are desired. Information provided by Sphere One Inc.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Bulk Density	0.400 g/cc	0.0145 lb/in ³	
Density	0.730 g/cc	0.0264 lb/in ³	
Particle Size	120 - 130 Åµm	120 - 130 Åµm	Mean
	10 - 300 Åµm	10 - 300 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	1700 Å°C	3090 Å°F	Deformation temp

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	38.5 %	38.5 %	
Fe ₂ O ₃	0.50 %	0.50 %	
SiO ₂	59 %	59 %	
TiO ₂	1.7 %	1.7 %	

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

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