

SPHERE ONE EXTENDOSPHERES[®] HA Hollow Spheres

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

Material Notes:

EXTENDOSPHERES[®] HA are off white, low-cost, low-density, high alumina, ceramic hollow spheres. Applications: Hollow spheres are ideal for use in coatings, sealants, caulks and other applications where low shrinkage, lightweight and light color particles are desired. Information provided by Sphere One Inc.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Bulk Density	0.350 - 0.450 g/cc	0.0126 - 0.0163 lb/in ³	
Density	0.700 - 0.800 g/cc	0.0253 - 0.0289 lb/in ³	
Particle Size	120 - 160 Åµm	120 - 160 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	1600 Å°C	2910 Å°F	Deformation temp

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	<= 30 %	<= 30 %	
SiO ₂	50 %	50 %	

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

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