

## SPHERE ONE EXTENDOSPHERESâ„† TG Hollow Spheres

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

### Material Notes:

EXTENDOSPHERESâ„† hollow spheres are efficient, lightweight additives for most resin systems. When Extendospheresâ„† replace heavier, more expensive components on an equivalent volume basis, they can reduce raw material costs as well as density. Applications:

EXTENDOSPHERESâ„† TG hollow spheres have a top size of 150 microns. They are recommended for applications requiring a finer particle size. Information provided by Sphere One Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SPHERE-ONE-EXTENDOSPHERES-TG-Hollow-Spheres.php](http://www.lookpolymers.com/polymer_SPHERE-ONE-EXTENDOSPHERES-TG-Hollow-Spheres.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.400 g/cc	0.0145 lb/in <sup>3</sup>	
Density	0.700 - 0.800 g/cc	0.0253 - 0.0289 lb/in <sup>3</sup>	
Particle Size	10 - 150 Åµm	10 - 150 Åµm	
	90 Åµm	90 Åµm	Average mean

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
Al2O3	28 - 33 %	28 - 33 %	
Fe2O3	<= 4.0 %	<= 4.0 %	
SiO2	58 - 65 %	58 - 65 %	

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

## **Contact Songhan Plastic Technology Co.,Ltd.**

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