

Potters Industries Spherglass® EMB-20 Low Alkaline Boro-Silicate Solid Glass Microspheres

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

Material Notes:

Spherglass® solid glass microspheres have been developed as a filler for paints, coatings, and films. Information provided by Potters Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Potters-Industries-Spherglass-EMB-20-Low-Alkaline-Boro-Silicate-Solid-Glass-Microspheres.php

Physical Properties	Metric	English	Comments
Density	2.60 g/cc	0.0939 lb/in ³	
Particle Size	10 µm	10 µm	Mean
	2.0 - 20 µm	2.0 - 20 µm	

Mechanical Properties	Metric	English	Comments
Hardness, Mohs	6.5	6.5	

Thermal Properties	Metric	English	Comments
CTE, linear	5.10 µm/m-°C	2.83 µin/in-°F	
Thermal Conductivity	1.03 W/m-K	7.16 BTU-in/hr-ft ² -°F	
Softening Point	830 °C	1530 °F	

Optical Properties	Metric	English	Comments
Refractive Index	1.53 - 1.57	1.53 - 1.57	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	14 %	14 %	
B ₂ O ₃	5.7 %	5.7 %	
CaO	23.1 %	23.1 %	
Fe ₂ O ₃	0.20 %	0.20 %	
K ₂ O	<= 0.50 %	<= 0.50 %	
MgO	1.0 %	1.0 %	
Na ₂ O	<= 0.50 %	<= 0.50 %	

Component Elements Properties	Metric	English	Comments
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Descriptive Properties	Value	Comments
Shape	spherical	

Contact Songhan Plastic Technology Co.,Ltd.

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