

Potters Industries Spherical® 25P45 Hollow Engineered Glass Microspheres

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

Material Notes:

Spherical® hollow glass microspheres are alternatives to conventional fillers and additives such as silicas, calcium carbonates, talc, clay, etc. A variety of particle sizes, densities and strengths meet specific functional and end-use application requirements such as reducing density or cost, or improving stiffness or workability. They are compatible with polyesters, epoxies, phenolic resins, urethanes, plastisols, thermoplastics, latex, concrete and other building materials, as well as emulsion- and water-gel explosives. They are available uncoated, or coated with specially-formulated coupling agents (CP01, CP03) to maximize interfacial bonding between the microspheres and the resin matrix. Information provided by Potters Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Potters-Industries-Spherical-25P45-Hollow-Engineered-Glass-Microspheres.php

Physical Properties	Metric	English	Comments
Bulk Density	0.140 g/cc	0.00506 lb/in ³	
Density	0.250 g/cc	0.00903 lb/in ³	True Density as as measured by gas displacement
Particle Size	47 µm	47 µm	Mean
	15 - 80 µm	15 - 80 µm	

Mechanical Properties	Metric	English	Comments
Hardness, Mohs	6.0	6.0	
Compressive Strength	<= 5.17 MPa	<= 750 psi	Working pressure

Component Elements Properties	Metric	English	Comments
Loss on Ignition(%)	<= 0.50 % @Temperature 121 °C, Time 601 sec	<= 0.50 % @Temperature 250 °F, Time 0.167 hour	

Descriptive Properties	Value	Comments
Alkalinity	< 0.5 meq/g	ASTM D3100
Color	White	

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