

Potters Industries A-Series Z-CEL® 8054 White Synthetic Sodium Aluminosilicate Microsphere

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

Material Notes:

Fine particle white spheres developed as 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-A-Series-Z-CEL-8054-White-Synthetic-Sodium-Aluminosilicate-Microsphere.php

Physical Properties	Metric	English	Comments
Bulk Density	0.800 g/cc	0.0289 lb/in ³	Bulk Density measured via tamp density method after 1500 tamps
	1.80 g/cc	0.0650 lb/in ³	Effective Density measured in SAE 20 motor oil using Gardner cup
Density	2.10 g/cc	0.0759 lb/in ³	True Density measured via nitrogen gas displacement pycnometer
Brightness	>= 95 %	>= 95 %	Hunter Whiteness
Oil Absorption	0.22 %	0.22 %	By mass (g oil/g spheres)
Particle Size	>= 3.0 µm	>= 3.0 µm	D10
	5.0 µm	5.0 µm	Mean, measured using laser light scattering
	5.0 µm	5.0 µm	D50
	<= 20 µm	<= 20 µm	D90
	<= 25 µm	<= 25 µm	D97

Mechanical Properties	Metric	English	Comments
Hardness, Mohs	6.0	6.0	
Compressive Strength	>= 414 MPa	>= 60000 psi	

Descriptive Properties	Value	Comments
Color	White	
Shape	spherical	

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