

Omya OMYACARB® UF - FL Calcium Carbonate

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

Material Notes:

A high purity, ultrafine, wet ground natural calcium carbonate available in dry or slurry form. Applications: Plastic applications such as rigid PVC and flexible PVC. Paint applications such as water based, solvent based, and high gloss powder coatings. Information supplied by Omya North America.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Omya-OMYACARB-UF-FL-Calcium-Carbonate.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.92 g/cc	1.92 g/cc	Slurry
	2.70 g/cc	2.70 g/cc	dry
Density	1.921 g/cc	0.06939 lb/in ³	Slurry
Solids Content	76 %	76 %	Slurry
Brightness	96 %	96 %	Y - Brightness (dry)
Moisture Absorption at Equilibrium	0.11 %	0.11 %	Moisture Loss at 110°C % (dry)
Particle Size	0.70 µm	0.70 µm	Median Diameter
Specific Surface Area	12 m ² /g	12 m ² /g	
Brookfield Viscosity	200 cP	200 cP	dry

Optical Properties	Metric	English	Comments
Refractive Index	1.57	1.57	dry

Descriptive Properties	Value	Comments
Calcium Carbonate %	98	
FDA	21 CFR 174.5, 175.300, 178.3297	
Hegman (dry)	6	
Magnesium Carbonate %	1	
Percent Finer than 1 Microns	65	
Percent Finer than 2 Microns	90	
Pounds Pigment/gallon (slurry)	12.2	

Pounds Pigment/Solid Gallon (dry) Descriptive Properties	22.6 Value	Comments
Retained in 325 mesh (dry) ppm	7	

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