

KaMin Polyfil[®] 70 Kaolin Clay - Calcined

Category : Ceramic , Clay , Kaolin Clay

Material Notes:

Calcined clays, such as Polyfil[®] 70, are brighter than most water-washed clays, offering excellent processing and limited reinforcement. They impart outstanding wet/dry electrical properties due to the elimination of bound water during the calcined process. Compounds with calcined clays extrude smoothly and reduce stickiness in processing. Polyfil[®] 70 is a high brightness calcined kaolin clay used to extend elastomeric and thermoplastics products, including wire and cable applications. Industry: Rubber & Plastic Uses: Non-Black Rubber, General Rubber Goods, General Plastics, Polyolefins/PVC, Thermoset, Thermoplastic, EPDM, Wire & Cable Information provided by KaMin LLC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_KaMin-Polyfil-70-Kaolin-Clay-Calcined.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.60 g/cc	2.60 g/cc	
Bulk Density	0.368 - 0.449 g/cc	0.0133 - 0.0162 lb/in ³	Loose
Brightness	91 %	91 %	Reflectance (TAPPI)
Oil Absorption	54 %	54 %	
Fineness	>= 5	>= 5	Hegman Grind
Moisture Absorption at Equilibrium	<= 0.5 %	<= 0.5 %	As Produced
Particle Size	1.30 Åµm	1.30 Åµm	Average Stokes Equivalent Diameter
	3.20 Åµm	3.20 Åµm	Median (Malvern Laser)
Particle Mesh Size	325 Mesh	325 Mesh	0.005% Retained
pH	6	6	100 g/250 ml H2O Slurry
Specific Surface Area	8.00 m ² /g	8.00 m ² /g	BET

Descriptive Properties	Value	Comments
Bulking Value	21.9 lb.gal	
CAS Number	92704-41-1	
Crystalline Silica (quartz)	<0.1%	
Physical Form	Dry	
Shipping Point	Macon, GA	

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