

KaMin Polyfil[®] DLX Kaolin Clay - Delaminated

Category : Ceramic , Clay , Kaolin Clay

Material Notes:

Polyfil DLX is a large particle size, very high aspect ratio, delaminated clay that reduces gas and vapor permeability. It is a type of water washed clay which is processed to have a high aspect ratio. Large and platy particles provide effective barriers to gases and liquids and help improve gas retention properties in rubber inner liners and other applications. In the delamination process, KaMin processes kaolin particles (stack of platelets, as they are found in nature) into special wet-grinding, attrition mills. The clay stacks are reduced to thin kaolin platelets. Industry: Rubber & Plastic Uses: Non-Black Rubber, Tire, General Rubber Goods, Butyl Rubber, MasterBatch Information provided by KaMin LLC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_KaMin-Polyfil-DLX-Kaolin-Clay-Delaminated.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.60 g/cc	2.60 g/cc	
Bulk Density	0.641 - 0.721 g/cc	0.0231 - 0.0260 lb/in ³	Loose
Brightness	87.5 - 89 %	87.5 - 89 %	Reflectance (TAPPI)
Oil Absorption	42 %	42 %	
Moisture Absorption at Equilibrium	<= 1.5 %	<= 1.5 %	As Produced
Particle Size	1.20 Åµm	1.20 Åµm	Average Stokes Equivalent Diameter
	6.70 Åµm	6.70 Åµm	Median (Malvern Laser)
Particle Mesh Size	325 Mesh	325 Mesh	0.005% Retained
pH	6 - 8	6 - 8	100 g/250 ml H2O Slurry
Specific Surface Area	12.0 m ² /g	12.0 m ² /g	BET

Descriptive Properties	Value	Comments
Bulking Value	21.7 lb.gal	
CAS Number	1332-58-7	
Crystalline Silica (quartz)	<0.1%	
Physical Form	Dry	
Shipping Point	Macon, GA	

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