

Malvern Minerals Trikup[®] PN Silane Treated Aluminum Hydroxide

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

Material Notes:

Trikup[®] is a custom, silane treated alumina trihydrate or aluminum hydroxide. ATH is the largest volume flame retardant in the world. Trikup[®] adds additional functionality through the use of epoxy, amino, vinyl and other silanes chosen to react with specific resin systems. Trikup[®] contributes brightness, opacity, gloss and smoothness to coatings. Additionally, Trikup[®] is exceptional for arc track resistance in PCBs and other composites. Additional fields include high power bushings and insulators. Typical Applications: Coatings, Silicone Rubber, Plastics, Wire & Cable, Adhesives, SMC/BMC, Composites Information provided by Malvern Minerals Company.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Malvern-Minerals-Trikup-PN-Silane-Treated-Aluminum-Hydroxide.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.42 g/cc	2.42 g/cc	
Bulk Density	0.657 g/cc	0.0237 lb/in ³	
Brightness	93 %	93 %	GE Brightness
Oil Absorption	41 %	41 %	
Moisture Absorption at Equilibrium	0.30 %	0.30 %	Free Moisture
Particle Size	11 - 13 μ m	11 - 13 μ m	Average
pH	9.0	9.0	

Mechanical Properties	Metric	English	Comments
Hardness, Mohs	2.5 - 3.5	2.5 - 3.5	

Optical Properties	Metric	English	Comments
Refractive Index	2.40	2.40	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	64.9 %	64.9 %	
Fe ₂ O ₃	0.0090 %	0.0090 %	
Loss on Ignition(%)	34.6 %	34.6 %	
Other	0.25 %	0.25 %	total soda
SiO ₂	0.010 %	0.010 %	

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