

Nabaltec APYRAL® 60CD Al(OH)3

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

Material Notes:

APYRAL ® from Nabaltec is an environmentally friendly halogen free product which is used as a flame retardant filler in a wide variety of rubber and polymeric materials. During thermal decomposition APYRAL ® does not generate toxic or corrosive gases. In addition, there is a distinct reduction in smoke density. APYRAL ® is effective in the crucial phase of the burning process before the outbreak of a fully developed fire. APYRAL ® can be used as a flame retardant filler in ThermosetsElastomersThermoplasticsCable CompoundsTechnical Rubber CompoundsPressed and cast Plastic PartsThermal Insulation FoamsGlass-fiber reinforced plasticsInformation provided by Nabaltec.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Nabaltec-APYRAL-60CD-AIOH3.php

Physical Properties	Metric	English	Comments
Bulk Density	0.300 g/cc	0.0108 lb/in ³	
Density	2.40 g/cc	0.0867 lb/in ³	
Brightness	98 % @Wavelength 457 nm	98 % @Wavelength 457 nm	Whiteness; Elrepho
Oil Absorption	28 %	28 %	(ml/100 g)
Moisture Absorption at Equilibrium	0.30 %	0.30 %	
Loss On Ignition	34.6 %	34.6 %	
Particle Size	1.0 µm	1.0 µm	Median; Laser Diffraction
Specific Surface Area	6.0 m ² /g	6.0 m ² /g	BET

Mechanical Properties	Metric	English	Comments
Hardness, Mohs	3	3	

Optical Properties	Metric	English	Comments
Refractive Index	1.58	1.58	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	17000 ohm-cm	17000 ohm-cm	

Descriptive Properties	Value	Comments
Aluminum Hydroxide (%)	99.5	

Descriptive Properties as Additive	Value at break: 180 %	Comments
	Tensile Strength: 16 MPa	HFFR-EVA cable compound
Sieve Analysis	0.1%	> 45 µm

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China