

## Nabaltec APYMAG® 60S Magnesium Hydroxide

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

### Material Notes:

The demand for halogen free flame retardant plastics for applications in automobile, electrical, and construction industries is stronger than ever. The use of mineral flame retardants within these products is of growing importance. If processing temperatures exceed 200°C, APYMAG® should be used. It is preferable for applications which are very sensitive to processing parameters, like viscosity. When using in thermoplastics, good mechanical and flame retardancy can be achieved. Information provided by Nabaltec.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Nabaltec-APYMAG-60S-Magnesium-Hydroxide.php](http://www.lookpolymers.com/polymer_Nabaltec-APYMAG-60S-Magnesium-Hydroxide.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.350 g/cc	0.0126 lb/in <sup>3</sup>	
Density	2.40 g/cc	0.0867 lb/in <sup>3</sup>	
Brightness	94 % @Wavelength 457 nm	94 % @Wavelength 457 nm	Whiteness; Elrepho
Oil Absorption	23 %	23 %	(ml/100 g)
Moisture Absorption at Equilibrium	0.50 %	0.50 %	
Loss On Ignition	31 %	31 %	
Particle Size	3.5 µm	3.5 µm	Median; Laser Diffraction

Electrical Properties	Metric	English	Comments
Electrical Resistivity	2857 ohm-cm	2857 ohm-cm	

Processing Properties	Metric	English	Comments
Processing Temperature	<= 300 °C	<= 572 °F	

Descriptive Properties	Value	Comments
Magnesium Hydroxide (%)	92	
Sieve Analysis	0.02%	> 45 µm
Stearic Acid (%)	0.5	

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