

## Nabaltec APYMAG® 80 Magnesium Hydroxide

Category : Ceramic , Oxide , Magnesium 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.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Nabaltec-APYMAG-80-Magnesium-Hydroxide.php](http://www.lookpolymers.com/polymer_Nabaltec-APYMAG-80-Magnesium-Hydroxide.php)

Physical Properties	Metric	English	Comments
Brightness	95 %	95 %	Whiteness; Elrepho
	@Wavelength 457 nm	@Wavelength 457 nm	
Oil Absorption	26 %	26 %	ml/100 g
Moisture Absorption at Equilibrium	0.50 %	0.50 %	
Loss On Ignition	31.0 %	31.0 %	
	@Temperature 105 - 1000 °C	@Temperature 221 - 1830 °F	
Particle Size	3.0 µm	3.0 µm	Median Grain Diameter
Specific Surface Area	8.0 m <sup>2</sup> /g	8.0 m <sup>2</sup> /g	BET

Component Elements Properties	Metric	English	Comments
CaO	3.0 %	3.0 %	
Fe2O3	0.70 %	0.70 %	

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
Mg(OH) <sub>2</sub>	90	
Sieve Analysis (%)	0.02	> 45 µm

## **Contact Songhan Plastic Technology Co.,Ltd.**

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