

CIMBAR UltraMag & UltraMag ST 60-90 Magnesium Hydroxide Powder

Category : Other Engineering Material , Additive/Filler for Polymer

Material Notes:

UltraMag is a naturally ground, white, high-purity Magnesium Hydroxide suitable for a wide range of applications including water treatment slurries, plastics, rubber and flame-retardant/smoke suppressants. It has low corrosiveness and is non-toxic. UltraMag is a cost effective alternative to Hydrated Aluminas and precipitated Magnesium Hydroxide. Its higher initial decomposition temperature is 340°C, versus 230°C for ATH, which allows for use under higher processing temperature situations. UltraMag ST is a stearate-treated version of this material. Information provided by Cimbar Performance Minerals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_CIMBAR-UltraMag-UltraMag-ST-60-90-Magnesium-Hydroxide-Powder.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.42 g/cc	2.42 g/cc	
Oil Absorption	19 %	19 %	
Moisture Absorption at Equilibrium	<= 0.10 %	<= 0.10 %	
Loss On Ignition	29 % @Temperature 750 °C	29 % @Temperature 1380 °F	
Particle Size	25 - 27 µm	25 - 27 µm	D50
Particle Mesh Size	325 Mesh	325 Mesh	57% passing
pH	9.0 - 10	9.0 - 10	

Mechanical Properties	Metric	English	Comments
Hardness, Mohs	2.5	2.5	

Component Elements Properties	Metric	English	Comments
Al2O3	0.10 %	0.10 %	
CaO	<= 3.0 %	<= 3.0 %	
Fe2O3	0.30 %	0.30 %	
K2O	0.020 %	0.020 %	
MnO	<= 1.0 %	<= 1.0 %	
Na2O	0.020 %	0.020 %	
P2O5	0.10 %	0.10 %	

SiO2 Component Elements Properties	3.0 % Metric	3.0 % English	Comments
Descriptive Properties		Value	Comments
Color-L		93	
Mg(OH)2		93	

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