

Oceanchem Group Magnesium Hydroxide

Category : Other Engineering Material , Additive/Filler for Polymer

Material Notes:

Molecular Formula: Mg(OH)₂Cas No.: 1309-42-8Use: Magnesium hydroxide is a non-halogen flame retardant recommended where use of halogenated products is limited or prohibited. In addition, it is an excellent smoke suppressant and acid scavenger. Its high thermal stability, up to 340°C, enables its use where Aluminum trihydrate is not sufficiently stable. It is used as a flame retardant and smoke suppressant in cables, LD and HDPE, PP homo and copolymers and nylons. It is employed as a smoke suppressant in PVC. It is available in several surface-treated grades which are suited to specific applications.Storage and Handling: Store in a dry, cool, well ventilated area.Information Provided by Oceanchem Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Oceanchem-Group-Magnesium-Hydroxide.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.36 g/cc	2.36 g/cc	
Bulk Density	>= 0.260 g/cc	>= 0.00939 lb/in ³	
Oil Absorption	>= 55 %	>= 55 %	ml/100g
Particle Size	<= 9.0 µm	<= 9.0 µm	average
Specific Surface Area	>= 30 m ² /g	>= 30 m ² /g	BET
Molecular Weight	58.3 g/mol	58.3 g/mol	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	<= 0.010 %	<= 0.010 %	
CaO	<= 0.10 %	<= 0.10 %	
Iron, Fe	0.0050 %	0.0050 %	

Processing Properties	Metric	English	Comments
Moisture Content	<= 1.0 %	<= 1.0 %	Free moisture content

Descriptive Properties	Value	Comments
325 Mesh Residual (%)	<0.01	
Appearance	White free-flowing powder	
CAS Number	1309-42-8	
Chloride (%)	0.05	as Cl ^{<sup>} -</sup>

Descriptive Properties	Value	Comments
Loss on Drying (%)	0.2	
Mg(OH) ₂ (%)	>98	
Molecular Formula	Mg(OH) ₂	
Weight Loss (%)	<2.0	at 332°C
Whiteness	>98	

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