



THE HANSON GROUP. LLC
GOOD PEOPLE, GREAT SCIENCE

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MAGNESIUM HYDROXIDE

TECHNICAL DATA SHEET

Description

Magnesium Hydroxide is a chemically precipitated grade of coated magnesium hydroxide made from magnesium-rich brine and dolomitic lime. It is designed for non-halogen flame retardant applications and can be processed in plastics at higher temperatures than alumina trihydrate. The fatty acid coating is bonded to magnesium hydroxide and allows for the use of other processing aids.

Composition

	<u>Typical</u>	<u>Specification</u>
Magnesium Hydroxide ($\text{Mg}(\text{OH})_2$), %	98.7	98.5 min.
Chloride (Cl), %	0.29	0.35 max.
Loss on Drying, %	0.39	0.75 max.
Loss on Ignition, %	31	30.0 min.

Physical Properties

	<u>Typical</u>	<u>Specification</u>
Median Particle Size, micron	4.9	3 – 6
Surface Area, m^2/g	10	8 - 16
Specific Gravity	2.36	
Loose Bulk Density, g/ml	0.47	
Mohs Hardness	2.5	

Storage

Store in a dry location. Exposure to moisture may cause caking.