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GOOD PEOPLE, GREAT SCIENCE

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MAGNESIUM HYDROXIDE ULTRA-FINE

TECHNICAL DATA SHEET

Description

Magnesium Hydroxide Ultra-Fine is a chemically precipitated grade of coated magnesium hydroxide with a median particle size of 1.0 micron and produced from magnesium-rich brine and dolomitic lime. It is designed for critical, non-halogen flame retardant applications such as select wire and cable insulation and other thin section applications. 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.
Loss on Drying, %	0.35	0.75 max.
Loss on Ignition, %	31	30.0 min.

Physical Properties

	<u>Typical</u>	<u>Specification</u>
Median Particle Size, micron	1.1	0.9-1.4
Surface Area, m^2/g	11	9-16
Specific Gravity	2.36	
Loose Bulk Density, g/ml	0.40	
Mohs Hardness	2.5	

Storage

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