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GOOD PEOPLE, GREAT SCIENCE

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TECHNICAL DATA SHEET

MAGNESIUM HYDROXIDE ULTRA-FINE

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Description

Magnesium Hydroxide Ultra-Fine has a typical median particle size under 1 micron and is designed for critical applications such as flame retarded wire and cable insulating compounds.

Composition

	Typical	Specification
Magnesium Hydroxide (Mg(OH) ₂), %	98.8	>98.5 min
Calcium Oxide (CaO), %	0.60	< 0.70 max
Silicon Oxide (SiO ₂), %	0.20	< 0.30 max
Chloride (Cl), %	0.26	< 0.32 max
Iron Oxide (Fe ₂ O ₃), %	0.13	< 0.18 max
Sulfate (SO ₃), %	<0.01	< 0.05 max
Aluminum Oxide (Al ₂ O ₃), %	0.07	< 0.10 max
Loss on Drying, %	0.5	< 0.75 max
Loss on Ignition, %	30.9	> 30 min

Physical Properties

Median Particle Size, microns	1.0	0.9 – 1.4 μ
Surface Area, m ² /g	13	8 - 21 m ² /g
Specific Gravity	2.36	
Loose Bulk Density, g/ml	0.40	
Mohs Hardness	2.5	
TAPPI Brightness, %	96	

Storage

Store in a dry location.