



MagShield® UF NB 10 Coated Ultra-Fine Magnesium Hydroxide for Flame Retardant Applications

DESCRIPTION	MagShield UF NB 10 magnesium hydroxide 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 (BEFORE COATING)		Typical	Specification
	Magnesium Hydroxide (Mg(OH) ₂), %	98.7	98.5 min.
	Loss on Drying, %	0.35	0.75 max.
	Loss on Ignition, %	31.0	30.0 min.
PHYSICAL PROPERTIES (BEFORE COATING)		Typical	Specification
	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	
PACKAGING	Martin Marietta Magnesia Specialties offers a variety of packaging options, including bags, and bulk sacks. Please contact a sales representative for information on available packaging options.		
STORAGE	Store in a dry location. Exposure to moisture may cause caking.		

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