



MagShield® UF Ultra-Fine Grade Magnesium Hydroxide for Flame Retardant Applications

DESCRIPTION	MagShield UF magnesium hydroxide is a chemically precipitated grade of 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.		
COMPOSITION (BEFORE COATING)		Typical	Specification
	Magnesium Hydroxide (Mg(OH) ₂), %	98.8	98.5 min.
	Loss on Drying, %	0.5	0.75 max.
	Loss on Ignition, %	30.9	30.0 min.
PHYSICAL PROPERTIES (BEFORE COATING)		Typical	Specification
	Median Particle Size, micron	1.0	0.9 – 1.4
	Surface Area, m ² /g	13	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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