



MagShield® S Standard Grade Magnesium Hydroxide for Flame Retardant Applications

DESCRIPTION	MagShield S is a chemically precipitated grade of 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.		
COMPOSITION		Typical	Specification
	Magnesium Hydroxide (Mg(OH) ₂), %	98.8	98.5 min.
	Chloride (Cl), %	0.26	0.32 max.
	Loss on Drying, %	0.4	0.75 max.
	Loss on Ignition, %	30.9	30.0 min.
PHYSICAL PROPERTIES		Typical	Specification
	Median Particle Size, micron	4.5	3 – 6
	Surface Area, m ² /g	12	8 - 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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