



# MagShield® S NB 10 Coated Standard Grade Magnesium Hydroxide for Flame Retardant Applications

<b>DESCRIPTION</b>	MagShield S NB 10 is a chemically precipitated grade of coated 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. The fatty acid coating is bonded to magnesium hydroxide and allows for the use of other processing aids.		
<b>COMPOSITION (BEFORE COATING)</b>		<u>Typical</u>	<u>Specification</u>
	Magnesium Hydroxide (Mg(OH) <sub>2</sub> ), %	98.7	98.5 min.
	Chloride (Cl), %	0.29	0.35 max.
	Loss on Drying, %	0.39	0.75 max.
	Loss on Ignition, %	31	30.0 min.
<b>PHYSICAL PROPERTIES (BEFORE COATING)</b>		<u>Typical</u>	<u>Specification</u>
	Median Particle Size, micron	4.9	3 – 6
	Surface Area, m <sup>2</sup> /g	10	8 - 16
	Specific Gravity	2.36	
	Loose Bulk Density, g/ml	0.47	
	Mohs Hardness	2.5	
<b>PACKAGING</b>	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.		
<b>STORAGE</b>	Store in a dry location. Exposure to moisture may cause caking.		

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