

# MagShield<sup>®</sup> S

## Standard Grade


### Magnesium Hydroxide for Flame Retardant Applications



<b>DESCRIPTION</b>	MagShield <sup>®</sup> S is a chemically precipitated grade of magnesium hydroxide made from brine and dolomite. It is designed for non-halogen flame retardant applications and can be processed at higher temperature than alumina trihydrate in plastics.		
<b>COMPOSITION</b>		<b>Typical</b>	<b>Specification</b>
	Magnesium Hydroxide (Mg(OH) <sub>2</sub> ), %	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
<b>PHYSICAL PROPERTIES</b>			
	Median Particle Size, microns	4.5	3 – 6 μ
	Surface Area, m <sup>2</sup> /g	12	8 - 16 m <sup>2</sup> /g
	Specific Gravity	2.36	
	Loose Bulk Density, g/ml	0.40	
	Mohs Hardness	2.5	
<b>PACKAGING</b>	25 kg (55.1 lb) multi-walled, polyethylene-lined bags, 1,000 kg (2,204 lb) and 2,450 lb bulk sacks.		
<b>STORAGE</b>	Store in a dry location.		

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