



# MagChem<sup>®</sup> 40

## Light Burned Magnesium Oxide

<b>DESCRIPTION</b>	MagChem 40 is a high purity, light burned magnesium oxide produced from magnesium-rich brine and dolomitic lime. This fine white powder has a very high reactivity index and a low bulk density.		
<b>USES</b>	MagChem 40 is well suited for many rubber formulations, particularly neoprene. It finds wide use in the production of oil additives, as a filler, anti-caking agent, and pigment extender. MagChem 40 is extremely efficient in chemical processes where ease of conversion is a factor.		
<b>COMPOSITION</b>		<b>Typical</b>	<b>Specification</b>
	Magnesium Oxide (MgO), % ignited basis	98.2	97.0 min.
	Calcium Oxide (CaO), %	0.8	1.0 max.
	Silicon Oxide (SiO <sub>2</sub> ), %	0.35	0.5 max.
	Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ), %	0.15	0.3 max.
	Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> ), %	0.10	0.2 max.
	Chloride (Cl), %	0.30	0.5 max.
	Sulfate (SO <sub>3</sub> ), %	0.05	0.3 max.
	Loss on Ignition, %	2.3	3.0 max.
<b>PHYSICAL PROPERTIES</b>		<b>Typical</b>	<b>Specification</b>
	Loose Bulk Density, lb/ft <sup>3</sup> (g/cm <sup>3</sup> )	22 (0.35)	
	Median Particle Size, microns	3 - 8	
	Surface Area, m <sup>2</sup> /g	> 40	
	Activity Index, seconds	9	7 - 11
	% Passing 325 mesh	99.5	99.0 min.
<b>PACKAGING</b>	Martin Marietta Magnesia Specialties offers a variety of packaging options, including bulk (truck and railcar), bags, and bulk sacks. Please contact a sales representative for information on available packaging options.		
<b>STORAGE</b>	Store in dry place. Exposure to moisture may cause caking.		

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