



MagChem® 40

Light Burned Magnesium Oxide

DESCRIPTION	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.		
USES	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.		
COMPOSITION		<u>Typical</u>	<u>Specification</u>
	Magnesium Oxide (MgO), % ignited basis	98.4	97.0 min.
	Calcium Oxide (CaO), %	0.87	1.0 max.
	Silicon Oxide (SiO ₂), %	0.30	0.5 max.
	Iron Oxide (Fe ₂ O ₃), %	0.14	0.3 max.
	Aluminum Oxide (Al ₂ O ₃), %	0.09	0.2 max.
	Chloride (Cl), %	0.22	0.5 max.
	Sulfate (SO ₃), %	0.02	0.3 max.
	Loss on Ignition, %	2.3	3.0 max.
PHYSICAL PROPERTIES		<u>Typical</u>	<u>Specification</u>
	Loose Bulk Density, lb/ft ³ (g/cm ³)	22 (0.35)	
	Median Particle Size, microns	3 - 8	
	Surface Area, m ² /g	63	
	Activity Index, seconds	8.0	7 - 11
	% Passing 325 mesh	99.9	99.0 min.
PACKAGING	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.		
STORAGE	Store in dry place. Exposure to moisture may cause caking.		

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