



MagChem® 30

Light Burned Magnesium Oxide

DESCRIPTION	MagChem 30 is a high purity, light burned magnesium oxide produced from magnesium-rich brine and dolomitic lime. This fine white powder has a high reactivity index and a low bulk density.		
USES	MagChem 30 is used extensively as a magnesia source where high purity, controlled, moderate reactivity are important. MagChem 30 applications include sugar processing, magnesium salts, lubrication oil additives, and fuel additives.		
COMPOSITION		Typical	Specification
	Magnesium Oxide (MgO), % ignited basis	98.2	97.0 min.
	Calcium Oxide (CaO), %	0.8	1.0 max.
	Silicon Oxide (SiO ₂), %	0.35	0.5 max.
	Iron Oxide (Fe ₂ O ₃), %	0.15	0.3 max.
	Aluminum Oxide (Al ₂ O ₃), %	0.10	0.2 max.
	Chloride (Cl), %	0.35	0.5 max.
	Sulfate (SO ₃), %	0.05	0.3 max.
	Loss on Ignition, %	1.7	2.5 max.
PHYSICAL PROPERTIES		Typical	Specification
	Loose Bulk Density, lb/ft ³ (g/cm ³)	22 (0.35)	
	Median Particle Size, micron	3 - 8	
	Surface Area, m ² /g	20 - 30	
	Activity Index, seconds	18	16 - 21
	% Passing 325 mesh	99	95 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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