



Light Burned Technical Grade Magnesium Oxide

DESCRIPTION	MagChem® 50 is a high purity technical grade of magnesium oxide processed from magnesium-rich brine. This fine white powder has a very high reactivity index, low bulk density, and excellent flow properties.		
USES	MagChem 50 is well suited for chemical reactions where high reactivity and rapid conversion to magnesium hydroxide are required because of its very high surface area. MagChem 50 has high purity and controlled activity which makes it an excellent magnesium source for the manufacture of many magnesium compounds. MagChem 50 is used in rubber compounding, plastic thickening, filtrate clarification, odor removal, and a variety of selective adsorptions.		
COMPOSITION		Typical	Specifications
	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), %	0.30	0.5 max.
	Sulfate (SO ₃), %	0.05	0.3 max.
	Loss on Ignition, %	3.5	6.0 max.
PHYSICAL PROPERTIES	Bulk Density, loose, lb/ft ³ (g/cm ³)	18 (0.29)	
	Mean Particle Size, microns	3 - 8	
	Surface Area, m ² /g	65	50 min.
	Activity Index, seconds	8	9 max.
	Screen Size, % passing 100 mesh	100.0	99.9 min.
	Screen Size, % passing 325 mesh, wet	99.5	99.0 min.
PACKAGING	Available in bulk carload and truckload, 50-lb polyethylene-lined, multi-walled bags and 1000-2000-lb and 1000-kg bulk sacks.		
STORAGE	Store in dry place. Exposure to moisture may cause caking.		

NOTICE

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