



Light Burned Technical Grade Magnesium Oxide

DESCRIPTION	MagChem® 30 is a high purity technical grade of magnesium oxide processed from magnesium-rich brine. 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 and relative economy are important. MagChem 30 applications include sugar processing, sulfur oxides scrubbing, magnesium salts, construction products, lubrication oil additives and fuel additives.		
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), %	0.35	0.5 max.
	Sulfate (SO ₃), %	0.05	0.3 max.
	Loss on Ignition, %	1.7	2.5 max.
PHYSICAL PROPERTIES	Bulk Density, loose, lb/ft ³ (g/cm ³)	22 (0.35)	
	Mean Particle Size, microns	3 - 8	
	Surface Area, m ² /g	20 - 30	
	Activity Index, seconds	18	16 - 21
	Screen Size, % passing 325 mesh, wet	99	95 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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