



Light Burned Technical Grade Magnesium Oxide

DESCRIPTION	MagChem® 35 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 35 is well suited for many chemical reactions requiring intermediate surface area and fine particle size. MagChem 35 is used in a wide variety of applications including the manufacture of magnesium salts, construction products, fuel additives, oil drilling chemicals and rubber compounding.		
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, %	2.0	3.0 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	30	
	Activity Index, seconds	13	10 - 16
	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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