



Light Burned Technical Grade Magnesium Oxide

DESCRIPTION	MagChem® 40 is a high purity technical grade of magnesium oxide processed from magnesium-rich brine. 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 as a filler, anti-caking agent, and pigment extender. MagChem 40 is extremely efficient in chemical processes where ease of conversion is a factor. It is also used in the production of oil additives and the desilication of water.		
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, %	2.3	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	45	
	Activity Index, seconds	9	7 - 11
	Screen Size, % passing 325 mesh, wet	99.5	99.0 min.
PACKAGING	Available in bulk carload and truckload, 25-kg (55.1-lb) polyethylene-lined, multi-walled bags and 1000-kg (2204-lb) bulk sacks.		
STORAGE	Store in dry place. Exposure to moisture may cause caking.		

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