



MagChem® 200 AD

Specialty Grade

Magnesium Oxide

DESCRIPTION	MagChem 200 AD is a high purity, highly reactive micronized magnesium oxide powder produced from magnesium-rich brine and dolomitic lime.		
USES	MagChem 200 AD is used as a thickener in sheet molding and bulk molding compounds and as a curing agent in neoprene/phenolic adhesives.		
COMPOSITION		Typical	Specification
	Magnesium Oxide (MgO), % ignited basis	98.90	97.0 min.
	Calcium Oxide (CaO), %	0.35	1.00 max.
	Silica (SiO ₂), %	0.30	0.40 max.
	Iron Oxide (Fe ₂ O ₃), %	0.16	0.25 max.
	Aluminum Oxide (Al ₂ O ₃), %	0.12	0.15 max.
	Chloride (Cl), %	0.012 - 0.013	0.30 max
	Sulfate (SO ₃), %	0.15	0.50 max
	Loss on Ignition, %	6.00	10.0 max.
PHYSICAL PROPERTIES		Typical	Specification
	Loose Bulk Density, lb/ft ³ (g/cm ²)	15 – 25	--
	Surface Area, m ² /g	175	160 - 200
	Median Particle Size, micron	1.2	1.5 max.
	% Passing 100 mesh	100	100 min.
	% Passing 200 mesh	99.9	99.9 min.
	% Passing 325 mesh	99.9	99.0 min.
PACKAGING	Martin Marietta Magnesia Specialties packages this product in 50 pound bags. Please contact a sales representative for information on detailed packaging offerings and specifications.		
STORAGE	MagChem 200 AD will readily absorb moisture and carbon dioxide if left exposed to the air. Store in dry location and quickly reseal opened bags.		

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