



MagChem® 50 SC

Specialty

Magnesium Oxide

DESCRIPTION	MagChem 50 SC is a medium reactive magnesium oxide powder formulated for applications requiring maximum consistency in chemical, physical properties, and reactivity.	
USES	MagChem 50 SC is used in manufacturing grain oriented steel for high performance electrical transformers, specialty ceramics and coatings.	
COMPOSITION		<u>Specifications</u>
	Magnesium Oxide (MgO), %	98.0 min.
	Calcium Oxide (CaO), %	0.60 max.
	Silicon Oxide (SiO ₂), %	0.50 max.
	Iron Oxide (Fe ₂ O ₃), %	0.30 max.
	Aluminum Oxide (Al ₂ O ₃), %	0.20 max.
	Chloride (Cl), ppm	130 (± 30)
	Sulfate (SO ₄), %	0.15 max.
	Sodium (Na), ppm	200 max.
	Potassium (K), ppm	200 max.
	Fluoride (F), ppm	150 max.
	Boron (B), ppm	750 (± 150)
	Carbon (C), %	0.20 max.
	Loss on Ignition, %	2.0 max.
PHYSICAL PROPERTIES		<u>Specification</u>
	Loose Bulk Density, lb/ft ³ (g/cm ³)	12 – 30 (0.19 – 0.48)
	Median Particle Size, microns	1.0 max.
	BAT, seconds	45 - 55
	Screen Analysis:	
	% Passing 200 Mesh	99.75 min.
	% Passing 325 Mesh	99.5 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	Store in dry place. Exposure to moisture may cause caking.	

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