

**MAGOX® Premium** is a synthetic, high purity, technical grade magnesium oxide produced from deep-well brine. It is used where conditions demand a very fast reaction rate and maximum surface area is of prime importance. **APPLICATIONS:** acid/acceptor/scavenger, curing agent and stabilizer. It is widely used in polychloroprene and other halogenated elastomers. It is also used to control viscosity in fiber-reinforced polyester compounds (SMC and BMC) and as a buffer in thermoset resin compounds such as phenolics.

	Typical	Maximum	Minimum
<b>(As-is basis)</b>			
Loss on ignition (1000°C), %	4.00	6.5	
Chloride (Cl), %	0.30		
Sulfate (SO <sub>3</sub> ), %	0.05		
<b>(Loss-Free Basis)</b>			
MgO, %	98.20		97.00
CaO, %	0.80		
SiO <sub>2</sub> , %	0.35		
Fe <sub>2</sub> O <sub>3</sub> , %	0.15		
Al <sub>2</sub> O <sub>3</sub> , %	0.10		
<b>Physical Properties</b>			
Specific surface area (m <sup>2</sup> /g) B.E.T. nitrogen adsorption	110	125	95
Mean particle size (microns) X-ray sedigraph	5		
Loose bulk density, lb/ft <sup>3</sup> (g/cm <sup>3</sup> )	24 (0.38)		
Tapped bulk density, lb/ft <sup>3</sup> (g/cm <sup>3</sup> )	34 (0.51)		
Screen analysis, % (U.S. sieve series)			
-100 mesh			99.9
-325 mesh			99.0

### **PACKAGING AND STORAGE:**

Available in 25 kg net weight multiwall paper bags. Forty bags to a pallet which are double stretch-wrapped for extra protection. Material should be consumed within six months. If the contents of a bag are not entirely used after opening, the bag should be immediately resealed. Also available in 1000 kg bulk bags.

MC-FPS-820  
MAS: 8/31/06

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