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## Product Data MAGOX® Super Premium

**MAGOX® Super Premium** is a high purity, technical grade magnesium oxide. 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. Widely used in Polychloroprene and other Halogenated Elastomers. Used to control Viscosity in Fiber-reinforced Polyester compounds (SMC and BMC). Buffer in Thermoset Resin compounds such as Phenolics.

CHEMICAL ANALYSIS			
	Typical	Maximum	Minimum
(As-Is Basis)			
LOI (1000°C)	8.00	10.0	
Chloride (Cl)	0.30		
Sulfate (SO <sub>3</sub> )	0.05		
(Loss-Free Basis)			
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		
PHYSICAL PROPERTIES			
Specific Surface Area (m <sup>2</sup> /g <sup>-1</sup> ) B.E.T. nitrogen adsorption	150		130
Median Particle Size (microns) X-ray Sedigraph	5.0		
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, wt% (U.S.A. Series)			
-100 mesh			99.9
- 325 mesh			99.0

### **PACKAGING AND STORAGE:**

Available in 25 kg. net weight multiwall paper bags. Forty bags per pallets 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.

MC-FPS-666  
MAS: 08/31/06

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