



# MAGOX<sup>®</sup> Premium

## Magnesium Oxide Powder

### PRODUCT DESCRIPTION

MAGOX<sup>®</sup> Premium is a finely sized, synthetic high-purity magnesium oxide produced from deep well brine. It is used when conditions demand a very fast reaction rate and high surface area.

### CUSTOMER BENEFITS

MAGOX Premium delivers value through:

- Consistent product quality
- Vertically integrated manufacturing
- Being a domestically manufactured source
- Being a high-quality and lower-cost alternative in several markets

### TYPICAL APPLICATIONS

- Metal precipitation
- pH neutralization
- FCC catalyst manufacturing
- Rubber & Plastic

### PACKAGING

MAGOX Premium is shipped in 25 kg bags.

### CHEMICAL ANALYSIS (%)

	<u>Typical</u>	<u>Max</u>	<u>Min</u>
LOI (1000°C)	4.0	6.5	
MgO	98.2		97.0
SiO <sub>2</sub>	0.35	0.5	
Fe <sub>2</sub> O <sub>3</sub>	0.15	0.3	
Al <sub>2</sub> O <sub>3</sub>	0.10	0.2	
CaO	0.80	1.0	
Cl	0.30	0.5	
SO <sub>3</sub>	0.05	0.3	

(Ignited Oxide Basis)

### PHYSICAL PROPERTIES

	<u>Typical</u>	<u>Max</u>	<u>Min</u>
S.S.A (m <sup>2</sup> /g)	110	125	95
Median Particle Size (micron)	5		
<u>Bulk Density (lb/ft<sup>3</sup>)</u>			
Loose	24		
Tapped	34		
<u>Screen Analysis (wt.%)</u>			
-100 Mesh			99.9
-325 Mesh			99.0

### PRODUCT STORAGE

Magnesium oxide naturally absorbs moisture and carbon dioxide if left exposed to air. Store in a dry location in the original packaging to minimize impact to Loss on Ignition, free moisture, flowability and reactivity. MAGOX Premium magnesium oxide has a recommended retest date of 24 months from the date of manufacture.

Product manufactured in the USA

**MAGOX<sup>®</sup> is a registered trademark of Premier Magnesia, LLC**

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