



MAGOX® Premium

Magnesium Oxide Powder

PRODUCT DESCRIPTION

MAGOX® 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 ₂	0.35	0.5	
Fe ₂ O ₃	0.15	0.3	
Al ₂ O ₃	0.10	0.2	
CaO	0.80	1.0	
Cl	0.30	0.5	
SO ₃	0.05	0.3	

(Ignited Oxide Basis)

PHYSICAL PROPERTIES

	<u>Typical</u>	<u>Max</u>	<u>Min</u>
S.S.A (m ² /g)	110	125	95
Median Particle Size (micron)	5		
<u>Bulk Density (lb/ft³)</u>			
Loose	24		
Tapped	34		
<u>Screen Analysis (wt.%)</u>			
-100 Mesh			99.9
-325 Mesh			99.0

PRODUCT STORAGE

MAGOX Premium is a high surface area product and exposure to external moisture may cause hardening. The product should be stored in an appropriate and dry location. Please contact Premier personnel with any questions.

Product manufactured in the USA

MAGOX® is a registered trademark of Premier Magnesia, LLC

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