



MAGOX® Super Premium

Magnesium Oxide Powder

PRODUCT DESCRIPTION

MAGOX® Super 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 Super 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
- Rubber & Plastic

PACKAGING

MAGOX Super Premium is shipped in 25 kg bags.

CHEMICAL ANALYSIS (%)

| | <u>Typical</u> | <u>Max</u> | <u>Min</u> |
|--------------------------------|----------------|------------|------------|
| LOI (1000°C) | 8.0 | 10.0 | |
| 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) | 150 | | 130 |
| 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 Super 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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