

TECHNICAL INFORMATION

WESTCO MAG OXIDE 150 LIGHT BURNED TECHNICAL GRADE MAGNESIUM OXIDE

DESCRIPTION: Mag oxide 150 is a high purity technical grade of magnesium oxide processed from magnesium rich brine. This fine powder has a very high reactivity index, low bulk density, and excellent flow properties.

USES: Mag oxide 150 is well suited for chemical reactions where high reactivity and rapid conversion to magnesium hydroxide are required because of its very high surface area. Its high purity and controlled activity make it an excellent magnesium source for the manufacture of many magnesium compounds. It is used in rubber compounding, plastic thickening, filtrate clarification, odor removal, and a variety of selective absorptions.

COMPOSITION:	<u>Typical</u>	<u>Specifications</u>
*Magnesium oxide (MgO), % ignited basis	98.2	97.0 min.
*Calcium oxide (CaO), %	0.8	1.0 max.
*Silica (SiO ₂), %	0.35	0.5 max.
*Iron oxide (Fe ₂ O ₃), %	0.15	0.3 max.
*Aluminum oxide (Al ₂ O ₃), %	0.10	0.2 max.
*Chloride (Cl), %	0.30	0.5 max.
*Sulfate (SO ₃), %	0.05	0.3 max.
*Loss on ignition, %	3.5	6.0 max.

PHYSICAL PROPERTIES:	<u>Typical</u>	<u>Specifications</u>
Bulk Density, loose, lb/ft ³ (g/cm ³)	18 (0.29)	
Mean particle size, microns	3-8	
*Surface area, m ² /g	65	50 min.
*Activity index, seconds	8	9 max.
*Screen size, % passing 100 mesh	100	99.9 min.
*Screen size, % passing 325 mesh	99.5	99.0 min.

*Reported on Certificate of Analysis

PACKAGING: Packed in 50-lb net, multi-walled, moisture-proof bags.

STORAGE: Mag oxide will readily absorb moisture and carbon dioxide if left exposed to the air. Store in a dry place and quickly reseal opened containers.

11/07