

## RA150

## Active Magnesium Oxide

A highly reactive magnesium oxide for use in the manufacture of adhesives and rubber based on polychloroprene; in the compounding of synthetic rubber; as an acid acceptor in halopolymer systems.

Chemical Analysis	Specification	Typical Value
Magnesium Oxide as MgO (Ignited basis, by difference)	99.0% min.	99.5%
Calcium as CaO	0.45% max.	0.10%
Silicon as SiO <sub>2</sub>	0.04% max.	0.015%
Iron as Fe <sub>2</sub> O <sub>3</sub>	0.03% max.	0.015%
Aluminium as Al <sub>2</sub> O <sub>3</sub>	0.015% max.	0.01%
Chloride as Cl	0.25% max.	0.15%
Sulphate as SO <sub>4</sub>	0.25% max.	0.15%
Sodium as Na	0.1% max.	0.04%
Potassium as K	0.04% max.	0.01%
Loss on ignition (900°C)	7.0% max.	5.0%

Physical Properties	Specification	Typical Value
Surface area (BET)	170 (m <sup>2</sup> /g) min.	185 (m <sup>2</sup> /g)
Bulk density (10 taps)	0.40-0.60 g/cc	0.5 g/cc
Particle size: passes 325 mesh (wet sieve)	99.0% min.	99.8%

**Appearance and description:** Free flowing white powder, almost insoluble in water. Insoluble in alcohol. Dissolves in dilute mineral acids. (Caution! Exothermic reaction!)

**Packaging and storage:** Net 25 kg in multiwall paper bags with separately sealed moisture proof inner polyethylene bag, or cartons of small sachets (1-5 kg), of low-melting EVA or LDPE. Store in original packaging in a dry, ventilated space. Keep away from moisture and acids.

Custom-tailored specifications and other packaging modes are available.

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