

RA110

Active Magnesium Oxide

A moderate to 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)	98.5% min.	99.5%
Calcium as CaO	0.45% max.	0.10%
Silicon as SiO ₂	0.04% max.	0.03%
Iron as Fe ₂ O ₃	0.03% max.	0.01%
Aluminium as Al ₂ O ₃	0.015% max.	0.002%
Chloride as Cl	0.5% max.	0.15%
Sulphate as SO ₄	0.5% max.	0.15%
Sodium as Na	0.2% max.	0.02%
Potassium as K	0.04% max.	0.005%
Loss on ignition (900°C)	7.0% max.	5.0%

Physical Properties	Specification	Typical Value
Surface area (BET)	130-170 m ² /g	150 m ² /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.	99.7%

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 low-melting EVA or LDPE sachets (1-5 kg). 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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