

RA70

Light Active Magnesium Oxide

For use in the manufacture of adhesives and rubber based on polychloroprene; in the compounding of other synthetic rubbers; as an acid acceptor in halopolymer systems; as a thickener and viscosity modifier in SMC (sheet-molding compound) formulations. Particularly useful in adhesive systems where sedimentation is of concern.

Chemical Analysis	Specification	Typical Value
Magnesium Oxide as MgO (Ignited basis, by difference)	99.0% min.	99.2%
Calcium as CaO	0.45% max.	0.10%
Iron as Fe ₂ O ₃	0.03% max.	0.015%
Silicon as SiO ₂	0.04% max.	0.015%
Aluminium as Al ₂ O ₃	0.015% max.	0.010%
Chloride as Cl	0.25% max.	0.10%
Sulphate as SO ₄	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)	75-115 m ² /g	90 m ² /g
Bulk density		0.25 g/cc
Particle size passes 325 mesh (wet sieve)	99.0% min.	99.9%

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 15 kg in multiwall paper bags with separately sealed inner moisture-proof polyethylene bag. Store in original packaging in a dry, ventilated space. Custom-tailored specifications and other packaging modes are available.

Spec No: 847-3002-01-0804
Replaces R7-91-001 of 01/96