

## RA40

## Active Magnesium Oxide

For use where moderate reactivity is required, as an acid acceptor in halopolymer systems and as a thickener and viscosity modifier in SMC (sheet-molding compound) formulations.

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 <sub>2</sub>	0.04% max.	0.03%
Iron as Fe <sub>2</sub> O <sub>3</sub>	0.03% max.	0.01%
Aluminium as Al <sub>2</sub> O <sub>3</sub>	0.015% max.	0.002%
Chloride as Cl	1% max.	0.15%
Sulphate as SO <sub>4</sub>	0.5% max.	0.15%
Sodium as Na	0.2% max.	0.02%
Potassium as K	0.01% max.	0.005%
Loss on ignition (900°C)	7% max.	2%

Physical Properties	Specification	Typical Value
Surface area(BET)	40-70 m <sup>2</sup> /g max.	60 m <sup>2</sup> /g
Bulk density	0.35-0.60 g/cc 22-35 pcf	0.45 g/cc 28 pcf
Particle size: passes 325 mesh (wet sieve)	99.0% min.	99.5%

**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 20 kg / 44 lb in multiwall paper bags with separately sealed moisture proof inner polyethylene bag, or valve-bags with coated barrier ply. Store in original packaging in a dry, ventilated space.

Custom-tailored specifications and other packaging modes are available.

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