



SA 100/140

Active Magnesium Oxide: SA Grades

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)	98.0% max.	98.5%
Calcium as CaO	0.60% max.	0.30%
Iron as Fe ₂ O ₃	0.1% max.	0.05%
Silicon as SiO ₂	0.2% max.	0.05%
Aluminium as Al ₂ O ₃	0.1% max.	0.05%
Loss on ignition (900° C)		
SA 100		4.5%
SA 140		5%

Physical Properties	Specification	Typical Value
Surface area (BET)		
SA 100	100 m ² /g min.	120 m ² /g
SA 140	140 m ² /g min.	150 m ² /g
Particle size: passes 325 mesh (wet sieve)	99.0%	99.6%

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

Packaging and storage: Net 25 kg in heavy duty paper bags with coated barrier ply, or big bags. Store in original packaging in a dry, ventilated space.

Custom-tailored specifications and other packaging modes are available.