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Typical Product Specifications & Properties

Active Magnesium Oxide RA 40

CAS Number: : 1309-48-4

Specifications	Limits
Melting Point	2800 c
Density	3.65-3.75
Magnesium Oxide as MgO (by difference)	98.0 - 100.0 %
Calcium as CaO	0.45% max
Silicon as SiO ₂	0.04% max
Aluminum as Al ₂ O ₃	0.015% max
Chloride as Cl	0.25% max
Sulphate as SO ₄	0.50% max
Sodium as Na	0.2% max
Potassium as K	0.01% max
Bulk Density (10 taps)	0.60 g/cc max
Iron as Fe ₂ O ₃	0.03% max



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Specifications	Limits
Loss on Ignition	7.0% max
Surface area (BET)	40 - 70 m ² /g
Particle Size: Passes 325 mesh (wet Sieve)	99.0% min
Insolubility	in alcohol
Solubility	dil. acids, ammonium salt solns.
Very Soluble	in water
Boiling Point	3600 c
Odor	wh. powd. or cryst., odorless
Molecular weight	40.31



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