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Typical Product Specifications & Properties

Magnesium Oxide Special Industrial Grade SIG

CAS Number: : 1309-48-4

Specifications	Limits
Density	3.65-3.75
Very Soluble	in water
Melting Point	2800 c
Residue on 100 mesh	2.0% max
Magnesium Oxide as MgO (by difference)	99.0% min
Calcium as CaO	0.30% max
Iron as Fe ₂ O ₃	0.04% max
Silicon as SiO ₂	0.05% max
Sodium as Na	0.10% max
Chloride as Cl	0.25%
Sulphate as SO ₄	0.25% max
Boron as B ₂ O ₃	0.02% max



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Specifications	Limits
Loss on ignition (900 C)	2.0% max
Bulk Density, tapped	0.40 - 0.80 g/cc
Surface area (BET)	4.0 - 20.0 m ² /g
Residue on 200 mesh	10.0% max
Residue on 325 mesh	25.5% max
Insolubility	in alcohol
Odor	wh. powd. or cryst., odorless
Molecular weight	40.31
Solubility	dil. acids, ammonium salt solns.
Boiling Point	3600 c



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