

magnesium hydroxide S12

Product Description

FR's magnesium hydroxide S12 is produced using seawater (magnesium chloride) as a raw material using a fully automated production control and monitoring system, combined with a proprietary homogenized continuous synthesis process. Compared with mineral magnesium hydroxide, it has high purity and less impurities.

Chemical formula: $Mg(OH)_2$

CAS NO. 1309-42-8

Molecular weight: 58.32

EC/EINECS NO.215-170-3

Product Features

- High whiteness and stable color
- Fine particle size and even distribution
- High purity and no impurities
- High flame retardancy and low smoke emission
- Excellent thermal stability
- Excellent processing performance

Application Areas

- Wires and cables
- Polymer composite materials
- Coatings and Ceramics

Physical and chemical property data

Chemical Properties	Unit	Products Standard	Testing Standard
Magnesium Hydroxide $Mg(OH)_2$	%	≥98.5	HG/T3607-2007
Calcium Oxide CaO	%	≤0.05	HG/T3607-2007
Iron Ion Fe	%	≤0.01	HG/T3607-2007
Chloride Ion Cl	%	≤0.50	HG/T3607-2007

Physical Properties	Unit	Products Standard	Testing Standard
Particle Size D50	μm	≤2.5	GB/T19077-2016
Particle Size D90	μm	≤7.0	GB/T19077-2016
Particle Size D97	μm	≤10.0	GB/T19077-2016
Specific Surface Area	m ² /g	16-20	GB/T19587-2017
Density	g/cm ³	2.3-2.4	GB/T4472-2011
Bulk Density	g/cm ³	0.25-0.35	HG/T3607-2007
Residue on 325-mesh sieve ≥45μm	%	≤0.05	HG/T3607-2007
Loss on Ignition	%	≥30	HG/T3607-2007
Moisture Content	%	≤1.0	HG/T3607-2007
Whiteness	%	≥97.0	HG/T3607-2007