

Magnesium hydroxide S13-E

Product Description

FR's magnesium hydroxide S13-E 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. The fatty acid coating process not only enhances the product's compatibility and dispersibility, but also provides excellent mechanical properties.

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
- 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
- Battery materials

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	%	≤ 0.5	HG/T3607-2007
Loss on Ignition(1200°C)	%	31	HG/T3607-2007

Physical Properties	Unit	Products Standard	Testing Standard
Specific gravity	g/cm^3	2.36	GB/T4472-2011
Color	/	White	/
Refractive index	/	1.58	/
Residue on 325-mesh sieve $\geq 45\mu m$	%	≤ 0.03	HG/T3607-2007
Median particle size by laser particle analyzer	μm	3-4	GB/T19077-2016
Specific Surface Area	m^2/g	12	GB/T19587-2017