

Fine magnesium hydroxide powder for pulp bleaching BleachMag[®] — P

Description

A fine white powder of magnesium hydroxide. Produced from selectively mined natural magnesium hydroxide by milling and classifying.

Application

The product is recommended for manufacturing of aqueous suspension which can be applied as an alkali source and as a cellulose protector in pulp bleaching systems.

Properties

Parameter	Specification	Typical
Mg(OH) ₂ , %, min.	92.8	94.0
CaO, %, max.	2.5	2.1
SiO ₂ , %, max.	1.5	1.2
Fe ₂ O ₃ , %, max.	0.13	0.09
*SO ₄ ²⁻ , %, max.	0.01	0.001
*Cl, %, max.	0.01	0.001
*Cu, %, max.	0.001	0.0005
*Mn, %, max.	0.01	0.0065
Bulk density, kg/m ³ , min.	300	390
Humidity, %, max.	0.5	0.3
Median particle size D ₅₀ , microns:		
Laser diffraction	5.0-6.0	5.5
Sedimentation technique	2.0-3.0	2.5

* — is determined once in 6 months

Equivalents on 100% dry solids basis

MgSO ₄ (magnesium sulfate)	= 1.0 mt equivalent to 0.48 mt Mg(OH) ₂
NaOH (caustic soda)	= 1.0 mt equivalent to 0.73 mt Mg(OH) ₂

Storage

The shelf life is limited by moisture pick-up during storage, which is 0.5% max. When stored in dry conditions and with the packaging intact the shelf life is min. 4 months and max. 12 months from the time of delivery. We recommend to check the moisture content before usage if the product is stored for more than 4 months. Opened bags should be resealed immediately

Packing

Paper bags with polyethylene liner, big bags

Safety

Refers to low-hazard substances; fire- and explosion-proof, non-toxic

Transportation

Transported by all modes of transport in accordance with the rules of transportation of goods that operate in this mode of transport