

## Fine magnesium hydroxide powder for pulp bleaching BleachMag<sup>®</sup>- 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.

	Parameter	Specification	Typical
<b>Properties</b>	Mg(OH) <sub>2</sub> , %, min.	92.8	94.0
	CaO, %, max.	2.5	2.1
	SiO <sub>2</sub> , %, max.	1.5	1.2
	Fe <sub>2</sub> O <sub>3</sub> , %, max.	0.13	0.09
	*SO <sub>4</sub> <sup>2-</sup> , %, max.	0.01	0.001
	*Cl <sup>-</sup> , %, max.	0.01	0.001
	*Cu, %, max.	0.001	0.0005
	*Mn, %, max.	0.01	0.0065
	Bulk density, kg/m <sup>3</sup> , min.	300	390
	Humidity, %, max.	0.5	0.3
	Median particle size D <sub>50</sub> , microns:		
	Laser diffraction	5.0-6.0	5.5
	Sedimentation technique	2.0-3.0	2.5
	*- is determined once in 6 months		
<b>Equivalents on 100% dry solids basis</b>	MgSO <sub>4</sub> (magnesium sulfate)	= 1.0 mt equivalent to 0.48 mt Mg(OH) <sub>2</sub>	
	NaOH (caustic soda)	= 1.0 mt equivalent to 0.73 mt Mg(OH) <sub>2</sub>	
<b>Storage</b>	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.		
<b>Packaging</b>	Paper bags with polyethylene liner, big bags		
<b>Safety</b>	Refers to low-hazard substances; fire- and explosion-proof, non-toxic		
<b>Transportation</b>	Transported by all modes of transport in accordance with the rules of transportation of goods that operates in this mode of transport		