

Chipped magnesium hydroxide for environmental applications

MagTreat® — G

Description

Chipped magnesium hydroxide. Produced from selectively mined natural magnesium hydroxide by crushing and classifying.

Application

The product is used as filtration media for acid neutralization in filters, wastewater treatment, heavy metals precipitation, reduction of COD and phosphates.

	Parameter	Specification	Typical
Properties	MgO/Mg(OH) ₂ , %, min.	60.0/87.0	62.0/89.9
	CaO, %, max.	4.0	3.0
	SiO ₂ , %, max.	4.0	3.0
	Fe ₂ O ₃ , %, max.	0.5	0.3
	Bulk density, kg/m ³ , min.	1100	0.5
	Humidity, %, max.	1.0	
	Particles size, mm	0.5-2.0	
	Particles >2 mm, % max.	10	
Equivalents on 100% dry solids basis	Particles <0.5 mm, % max.	10	
	Na ₂ CO ₃ (soda ash)		= 1.0 mt equivalent to 0.55 mt Mg(OH) ₂
	NaOH (caustic soda)		= 1.0 mt equivalent to 0.73 mt Mg(OH) ₂
	Ca(OH) ₂ (hydrated lime)		= 1.0 mt equivalent to 0.79 mt Mg(OH) ₂

Storage

The shelf life is 5 years from date of manufacturing, while maintaining the tightness of packing.

Packing

Polypropylene bags, 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.