



ECOPIREN

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Mineral flame retardant for polymers Ecopiren® 200

Description	A fine white powder of magnesium hydroxide. Produced from selectively mined natural magnesium hydroxide (ground brucite), by milling and classifying.		
Application	Used as flame retardant filler in bituminous roofing membranes for achieving of high oxygen index (LOI), and for ensuring of the absorption of smoke and toxic gases		
Chemical and Physical properties	Indicator	Typical value	Specification
	MgO/Mg(OH) ₂ %	62,5/90,6	60,0/87,0 min.
	CaO, %	2,8	3,0 max.
	SiO ₂ , %	2,8	3,0 max.
	Fe ₂ O ₃ , %	0,15	0,5 max.
	Loose Bulk Density, kg/m ³	880	800 min.
	Humidity, %	0,3	0,5 max.
	Particle size distribution, %:		
	>300 microns		10,0 max.
	<100 microns		10,0 max.
	Product appearance	White, fine, homogeneous powder	
Storage	The shelf life is 4 months from date of delivery to the customer's warehouse, when stored in dry place and while maintaining the tightness of packing. After bag is opened material should be used immediately or packed hermetically.		
Packing	In bulk, in polypropylene bags (20 and 40 kg), big bags		
Security	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 operates in this mode of transport		

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