



ECOPIREN
MAKES OUR WORLD PURE AND SAFE

Mineral flame retardant for polymers Ecopiren® 3,5C

*Indication 3,5 means that average particle size for this product measured by laser granulometry method is 3,5 µm. This corresponds to particle size 1,5 µm By Sedimentation technique (Sedigraph method).

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 for polymeric materials for achieving of high oxygen index (LOI), and for ensuring of the absorption of smoke and toxic gases.	
Chemical and Physical properties	Indicator	Content
	MgO/Mg(OH) ₂ %	64,0/92,8 min.
	CaO, %	2,3 max.
	SiO ₂ , %	1,3 max.
	Fe ₂ O ₃ , %	0,13 max.
	Loose Bulk Density, kg/m ³	300 min.
	Humidity, %	0,5 max.
	Particle Size Distribution, µm:	
	Lazer granulometry (Melbern Mastersizer)	D ₅₀ 3-4 D ₉₀ 9-11
	Sedimentation technique (Sedigraph)	D ₅₀ 1,5-2,0
	Surface Area Range, m ² /g	9-11
Surface treatment by coupling agent (stearic acid), %	1,5	
Product appearance	White, fine, homogeneous powder	
Storage:	The shelf life is 12 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:	paper bags with polyethylene liner, 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	

Rivium Quadrant 90, 2909 LC
Capelle aan den IJssel,
Rotterdam, the Netherlands
+31 (0) 10 350 6206
info@europiren.com

