



**ECOPIREN**  
MAKES OUR WORLD PURE AND SAFE

## Mineral flame retardant for polymers Ecopiren® 5,5C

\*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 2,5 µm By Sedimentation technique (Sedigraph method).

<b>Description</b>	A fine white powder of magnesium hydroxide. Produced from selectively mined natural magnesium hydroxide (ground brucite), by milling and classifying.	
<b>Application</b>	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.	
<b>Chemical and Physical properties</b>	<b>Indicator</b>	<b>Content</b>
	MgO/Mg(OH) <sub>2</sub> %	64,0/92,8 min.
	CaO, %	2,3 max.
	SiO <sub>2</sub> , %	1,3 max.
	Fe <sub>2</sub> O <sub>3</sub> , %	0,13 max.
	Loose Bulk Density, kg/m <sup>3</sup>	300 min.
	Humidity, %	0,5 max.
	Particle Size Distribution, µm:	
	Lazer granulometry (Malvern Mastersizer) D <sub>50</sub>	5-6
	D <sub>90</sub>	14-19
	Sedimentation technique (Sedigraph) D <sub>50</sub>	2,0-3,0
	Surface Area Range, m <sup>2</sup> /g	7-9
	Product appearance	White, fine, homogeneous powder
<b>Storage:</b>	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	
<b>Packing:</b>	paper bags with polyethylene liner, big bags	
<b>Security</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	

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