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. |
| SiO₂, % | 2,8 | 3,0 max. |
| Fe₂O₃, % | 0,15 | 0,5 max. |
| Loose Bulk Density, kg/m³ | 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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