
Technical datasheet

Ecopiren 5

Ecopiren® 5 is a fine-milled Magnesium Hydroxide of natural origin (brucite), especially suitable as flame retardant in thermoplastic and elastomer polymer compounds. It could also be used as a component of paints and resins. A stearic acid coated version is also available (Ecopiren 5C).

Ecopiren® is a registered trade mark of Russian Mining.

Chemical Analysis:

As delivered

Typical values

Mg(OH) ₂	89.7
CaO	2,00 %
Fe ₂ O ₃	0,08 %
L.O.I. (Loss of ignition 950 °C)	30 - 33 %
Moist content	1,0 %
Stearic acid (Ecopiren 5C)	0,6 – 1,0 %

Physical Properties:

Specific surface area, m ² /g	< 10
Bulk density, g/l	400 – 600
Decomposition temperature, °C	≈ 330
Appearance	white powder
Particle size distribution	d50 (µm) 3,4 d90 (µm) 10,6

Packaging: 25 kg bags

Storage: The product should be stored dry and protected from moisture.

Other information:

- All information is based on data available at the date of issue.
- This datasheet is an uncontrolled copy which will not be updated automatically.
- No guarantee is implied or expressed regarding the use of the product, since the conditions for use are beyond our control.

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