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# Eigenmann & Veronelli S.p.A.

## POLYPLASTOL 21

Polyplastol 21 is a high performance processing aid for injection moulding of synthetic natural rubber

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**Chemical composition** Mixture of mainly calcium fatty acid

**CAS Number** 84776-35-2

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<b>Properties</b>	<b>Test method</b>
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<b>Appearance</b>	yellow to brown colour coarse powder
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<b>Specific gravity</b>	1.0 g/ml approx	MG 11.20
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<b>Bulk gravity</b>	0.6 g/ml approx	MG 11.34
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<b>Melting point</b>	90 °C minimum
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<b>Shelf life</b>	2 years
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<b>Packaging</b>	25 kg paper bags
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### Typical applications

Polyplastol 21 is mainly suggested for the injection moulding of EPDM compounds. Due to its outstanding lubricating effect, Polyplastol 21 can help the processing.

### How to use it

Polyplastol 21 is usefully added from the very first step of compounding in order to reach the best lubricating effect to help the dispersion of filler and curing activators.

Polyplastol 21 slightly decrease the scorching time of the sulphur accelerated compounds, without any additional effects on the cure rate.

Recommended dosage of Polyplastol 21 is 2 – 3 phr but it may be increased depending on the process.

Polyplastol 21 is used:

- to decrease the Mooney viscosity of the green compound
- to eliminate the stickiness to the rotors of the internal mixers or on the open mills
- to improve the flow characteristics of the compound during the injection
- to avoid any tear during the demoulding
- to minimize the mould fouling, even after very low working time of the mould

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