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Eigenmann & Veronelli S.p.A.

POLYPLASTOL 15

Polyplastol 15 is a processing aid for injection moulding of synthetic and natural rubber

Chemical composition Mixture of partially oxidized hydrocarbons

Properties	Test method
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Appearance	Light coloured pastilles
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Specific gravity	0.85 g/ml approx.
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Bulk density	0.45 g/ml approx.
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Melting point	55-62 °C	MG 11.01
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Shelf life	2 years
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Packaging	25 kg paper bags
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Typical applications

Polyplastol 15 is especially recommended for injection moulding during which very high temperatures are reached for a short time. The product performs best with NBR, SBR and EPDM even in complex moulds. It is also useful with natural rubber cuts.

How to use it

Polyplastol 15 is added during the mixing process in internal mixers and in mixing mills.

Recommended dosage is 2-3 phr but it may have to be increased depending on the process.

Polyplastol 15 is used:

- to avoid mould fouling problems due to processing aids
- to achieve complete mould filling
- to improve flow characteristics in the injection chamber

Polyplastol 15 acts as both internal lubricant during mixing and as superficial lubricant during moulding due to the different solubility depending on temperature.

Polyplastol 15 meets FDA and BGA requirements for use in compounds that may come into contact with foodstuff.

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