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Eigenmann & Veronelli S.p.A.

POLYPLASTOL 10

Polyplastol 10 is a processing aid for injection moulding of acrylic rubbers, fluoro elastomers and for hydrogenated polymers.

Chemical composition Pentaerythryl tetrastearate

Properties		Test method
Appearance	Light brown pastilles	
Specific gravity	1.0 g/ml approx.	
Bulk density	0.45 g/ml approx.	
Melting point	59-65 °C	MG 11.01
Shelf life	1 year	
Packaging	25 kg paper bags	

Typical applications

Polyplastol 10, based on polyester molecule, is a product mainly studied for special polymers. It actually guarantees an intimate incorporation and a good lubrication of acrylic polymers, such as for hydrogenated polymers and fluoro elastomers.

Polyplastol 10 gives very good lubrication result in butyl rubber and other halogenated polymers as well.

How to use it

Polyplastol 10 is added during the mixing process in internal mixers as well as in open mills. Recommended dosage is 2-3 phr depending on the polymers and on the filler used and it can be increased when a particularly high lubrication is required but it is not proper to exceed 5 phr.

Polyplastol 10 is used:

- In every compound based on acrylic hydrogenated rubber or fluoro elastomers just to achieve the best processing
- to obtain an easy detaching of rolling mills and guarantee a good vulcanization
- to improve moulding outcome without fouling problems

The use of Polyplastol 10 increases the plasticity of the uncured compound resulting in easier processing and more rapid compounding. Polyplastol 10 also improves the flow properties as well as the surface smoothness.

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Offices: Via della Mosa, 6; 20017 Rho (Mi) - Phone +39.0293539.1 - Fax +39.0293539.320