



TECHNICAL DATA SHEET / SPECIFICATIONS
SLIP MASTERBATCH PT-3004

INTRODUCTION

Polyfill's Slip Additive Masterbatch PT-3004 is based on highly purified Erucamide in LLDPE carrier resin and compounded in most modern extrusion equipment using state-of-art technology. The slip additives chosen are upto 220°C and are recommended for use where high temperature processing is required. Slip Additive Masterbatch is a material which when added to the polymer, while processing into flat profiles like film, sheet etc., reduces the co-efficient of friction (COF) of the surfaces. It is particularly used while manufacturing film for the packaging applications like Bubble Film, where film to the metal as well as film to film friction is required to be controlled.

MAIN FEATURES

- Reduces frictional resistance between two plastic films and between plastic and metal parts.
- SLIP Masterbatch makes processing more efficient with higher productivity and improved quality.
- In polyolefin film production, SLIP Masterbatch facilitates increased line speed in manufacturing process and enhances packaging machine operation due to reduced COF.
- Ensures good handling properties in automatic packaging machines.

SPECIFICATIONS

<i>Appearance</i>	<i>Milky Opaque Granuels</i>
<i>% SLIP (active ingredient)</i>	<i>6 %</i>
<i>Loose Bulk Density</i>	<i>0.55 ~ 0.60 gms/cm³</i>
<i>Melt Index@ 190°C/2.16 Kg</i>	<i>Approx. 20 ± 5 gms/10 min</i>
<i>Carrier Resin</i>	<i>LD / LLDPE – 94%</i>
<i>Heat Stability</i>	<i>Thermally stable under normal processing conditions.</i>

APPLICATIONS

- Slip Additive Masterbatch is applicable to all processors from industries like Packaging (Monolayer & Multilayer flexible Packaging Film), Moulding, Agricultural Films, Bubble Films etc.
- Slip Additive Masterbatch is highly recommended for the use as demoulding agents in injection moulding application.

USAGE

Dosage is 1 ~ 5 % depending on the end use application. Below is our ideal recommendation –

For Low Slip : 1 ~ 2 %
 For Medium Slip : 2 ~ 3 %
 For High Slip : 4 ~ 5 %

PACKING & STORAGE

SLIP Masterbatch is available in the packing of 25 kgs. laminated moisture proof woven sack bag. Keep the product in cool & dry place with good ventilation. Away from the direct sunlight, high temperature, rain pour and not under heavy loads. Shelf life of Masterbatch is about 15 months from the manufacturing date. Thereafter still it can be used, but with little higher dosage %ge than usual.

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