

	<i>Novin Baspar Sazeh Co.</i>	2017
	NovinSlip- F540	Additive Masterbatch

Datasheet for Slip Masterbatch, NovinSlip-F540

Introduction

This group of masterbatches with trade name NovinSlip® are mainly used in film production to act as a friction reducer between two layers of film, and between film and the production machines. These masterbatches come in two major categories, fast migrating and slow migrating. One of these two kinds is chosen depending on the final properties of the film, and the printing method.

NovinSlip-F540 is a masterbatch containing 10% refined Oleamide, based in a LLDPE carrier resin. This masterbatch is a material which when added to the polymer, while processing into flat profiles like film, sheet etc., reduces the coefficient of friction (COF) of the surfaces.

Main Features

- Reduces frictional resistance between two plastic films and between plastic and metal parts.
- NovinSlip-F540 makes processing more efficient with higher productivity and improved quality .
- In polyolefin film production, NovinSlip-F540 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

Property	Value
Appearance	Milky Opaque Cylindrical Pellet
Oleamide Content (%)	10
MFI (g/10min; 190 ^o C,2.16 Kg)	2-4
Melting Point (°C)	125
Density (g/cm ³)	~0.92
Temperature Stability	Thermally stable under normal processing conditions
Addition Rate	0.5 ~ 1.5% depending on desired effect
Filler	None

Guideline to Use

1. NovinSlip-F540 is compatible with all grades of PE and EVA. It can be used with antiblocking agents when required.
2. When using NovinSlip-F540 in polyolefin's, the migration of the fast migration slip agent starts immediately and reaches full performance in a matter of hours.
3. NovinSlip-F540 should not be used in the films which are printed.
4. It is also used as a mold releasing agent for injection molding and gives surface gloss to some molded parts.
5. NovinSlip-F540 should not be used in cling film formulations using polybutene.

The addition rate of NovinSlip-F540 depends on the performance requirements of the final product. Recommended addition rates are between 0.5 and 1.5 % by weight of the masterbatch, depending on the film thickness, the processing conditions and the polymer grade.

The coefficient of friction rapidly decreases after extrusion and levels out to a constant value after 1-2 days.

Applications

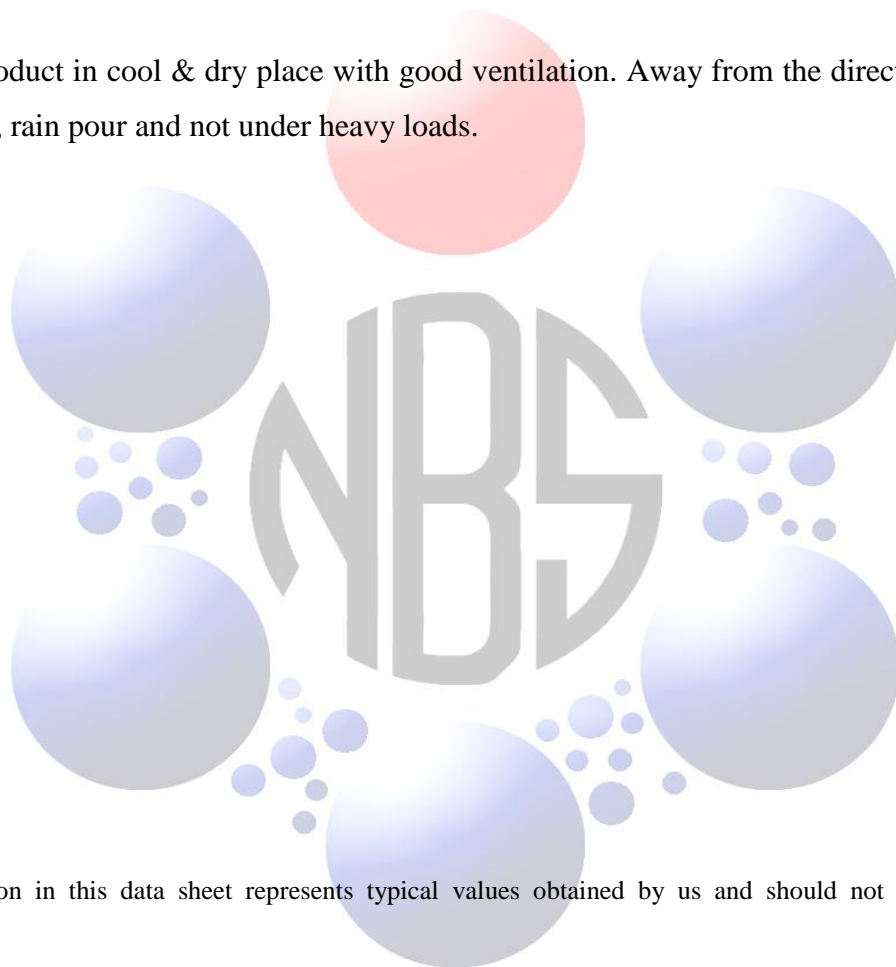
Suitable for cast and blown film process.

Packaging

The standard packing is 25 kg PE bags.

Storage

Keep the product in cool & dry place with good ventilation. Away from the direct sunlight, high temperature, rain pour and not under heavy loads.



The information in this data sheet represents typical values obtained by us and should not be regarded as a specification.

We condition that the product will be inspected and qualified by the customer for his process to meet the specific requirements set by application, processing equipment and end product.

Contacts:

Detailed information on special applications and technical information is available at the Technical Department.

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