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|  | <i>Novin Baspar Sazeh Co.</i> | 2023 |
| | NovinFog-9032 | Additive Masterbatch |

Datasheet for Anti fog Additive Masterbatch, NovinFog-9032

Introduction

This group of masterbatches with trade name NovinFog® allow water to spread into a continuous and uniform transparent layer on the surface of films. This results in improved light transmission and transparency which has benefits in both agricultural and food packaging applications.

NovinFog-9032 Masterbatch is the new generation highly technical product based on PE carrier resin. It is widely used in film extrusion to maintain clarity and transparency so the contents can be clearly seen by the consumer at the point of sale. By adding anti fogging additives to packaging films, condensed water droplets are spread into a thin layer rather than droplets. Addition of NovinFog-9032 masterbatch to all films based on LLDPE , LDPE and HDPE by extrusion process also lasts the lifetime of the packaged food.

Specifications

| Property | Value |
|------------------------------|---|
| Appearance | Natural Color Opaque Cylindrical Pellet |
| MFI (g/10min;190°C /2.16 Kg) | 3-4 |
| Melting Point (°C) | 125 |
| Density (g/cm ³) | ~0.93 |
| Carrier Resin | LDPE/LLDPE |
| Addition Rate | 3-6 wt% depending on desired effect |

Guideline to Use

NovinFog-9032 works by creating a thin layer on the inner surface of the films, maintaining clarity and transparency of the packaged items.

Recommended addition rates of NovinFog-9032 are between 3 and 7 percent by weight of the masterbatch, depending on the final film thickness, the processing conditions and the polymer grade. Exact quantity depends on machine, the final film thickness, the processing conditions, polymer type etc.

Applications

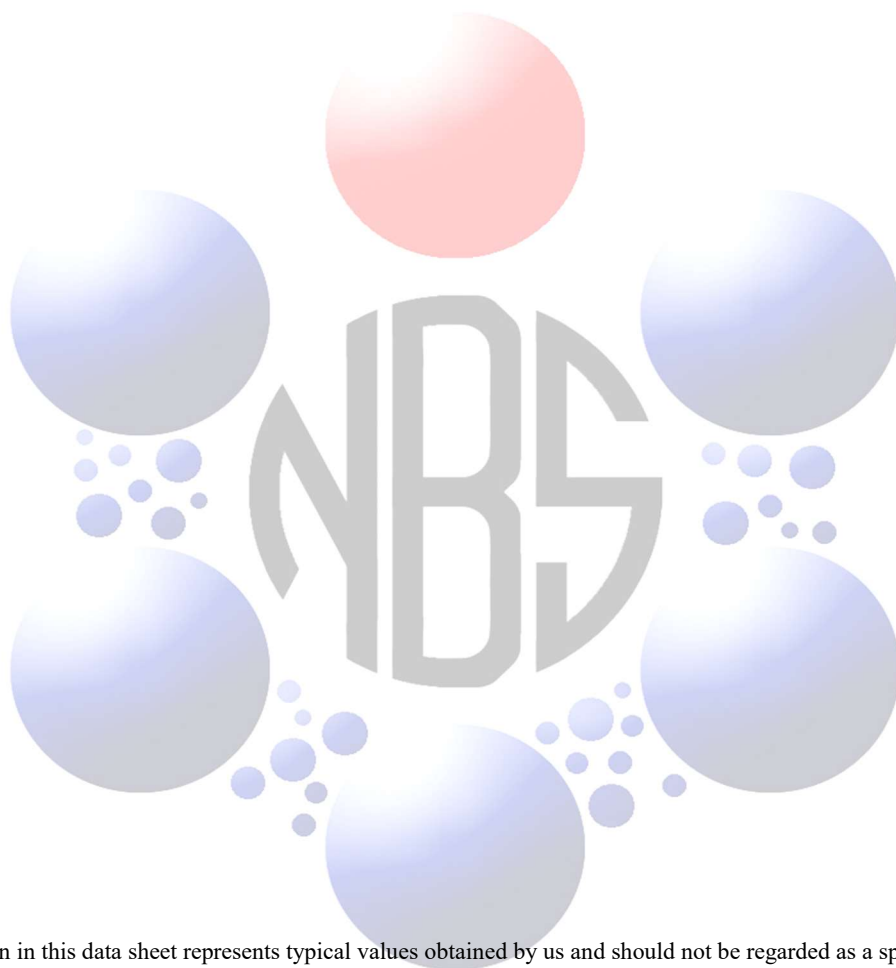
Suitable for film blowing and film casting processes.

Packaging

The standard packing is 25 kg laminated PP woven 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.

www.novinbaspar.com

Email: info@novinbaspar.com

Sales Office: No. 8, Ahmadi St., Eastern Ferdows St., Sadeghieh Sq., Tehran, Iran. TelFax: +982144966490

Factory: Baharan Industrial Zone, Hamedan, Iran. TelFax: +988134586004