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|  | <i>Novin Baspar Sazeh Co.</i> | 2023 |
| | NovinStat-9030 | Additive Masterbatch |

Datasheet for Anti-Static Masterbatch, NovinStat-9030

Introduction

This group of masterbatches with trade name NovinStat® will make the static charge on the surface of the product to disperse homogeneously via reducing surface and volumetric electrical resistance. Beside anti-static properties, these masterbatches are used in PP injection-molded products as slip agents, and in injection molding as a release agent, plasticizer and time reducer.

NovinStat-9030 Antistatic Masterbatch is a surface property modifier, which extensively use by Plastics Processor, to reduce and control the static charges developed on the surface of plastic parts having large surfaces like film, fibers etc as spark discharge formed by static charges can produce serious accidents. NovinStat-9030 is based on fatty acid additives, using PE as a carrier resin, compounded in modern extrusion equipment.

Main Features

Using NovinStat-9030 will reduce or even eliminate the problems caused by high surface resistivity. These problems include:

- handling problems during transport, storage and packing.
- Dust contamination, affecting both, appearance and performance of end products.
- Risk of electrical shocks to employees working at the machines.
- Risk of electrical discharge causing fire or explosion.

Specifications

| Property | Value |
|------------------------------|--|
| Appearance | Slightly Yellow Cylindrical Pellet |
| Melting Point (°C) | ~125 |
| Density (g/cm ³) | ~0.92 |
| MFI (g/10min@190°C,2.16Kg) | 2-3 |
| Carrier Resin | LDPE |
| Addition Rate | 1-4% depending on the final products thickness |

Guideline to Use

Recommended addition rates of NovinStat-9030 are between 1 to 2% by weight of the masterbatch for film process and 1.5 to 4% for thick section parts for example sheet or injection parts.

Applications

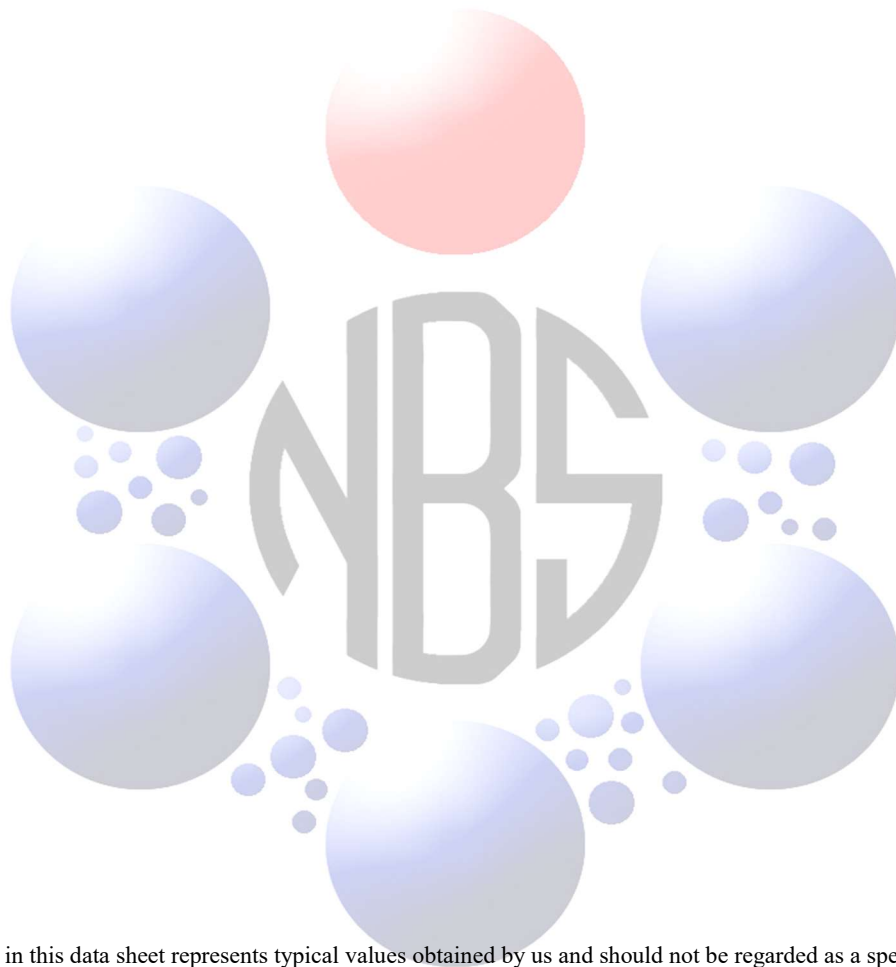
Suitable for film blowing process, sheet production, blow and rotary molding.

Packaging

The standard packing is 25 kg laminated PP woven bags.

Storage

Storage in very humid areas or under direct sunlight for long periods should be avoided. Shelf life of NovinStat-9030 is about 12 months from the manufacturing date.



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