	<i>Novin Baspar Sazeh Co.</i>	2023
	NovinFlow-130M	Additive Masterbatch

Datasheet for MFI Modifier Masterbatch, NovinFlow-130M

Introduction

This group of masterbatches with trade name NovinFlow® is applied to modify the fluidity of polypropylene and to narrow the molecular weight distribution of PP materials. Organic peroxides routinely used to decrease the melt viscosity of PP in post reaction processes. Free radicals generated via heat decomposition of peroxides, degrade the backbone of polypropylene and results in PP chain scission. The modification consequences in a great increase in melt index of the PP material to adjust some melt extrusion and injection processes and improve some final product defects such as anisotropic shrinkage and warpage.

NovinFlow-130M masterbatch is a highly concentrated organic peroxide masterbatch based on PP, specially developed for making a great increase to the flow indices of homopolypropylene materials to reach finally excellent flow properties.

Main Features

Using NovinFlow-130M will increase flowability of PP normal grades caused by high degree of chemical polymer chain shortening mechanisms

- Eliminate the handling and mixing problems of neat peroxides in melt blown process
- Excellent dosing accuracy and makes uniform melt of PP in difficult melt processes
- Support the feeling of complex molds and eliminate the warpage in final product

Specifications

Property	Value
Appearance	Slightly Yellow Cylindrical Pellet
Density (g/cm ³)	~ 0.88
Carrier Resin	PP homopolymer
Addition Rate	2-9% depending on the final MFI requirements of the streaming process

Guideline to Use

Recommended addition rates of NovinFlow-130M are between 2 to 4% by weight of the masterbatch for injection molding process and more than 5% for melt blown process.

Applications

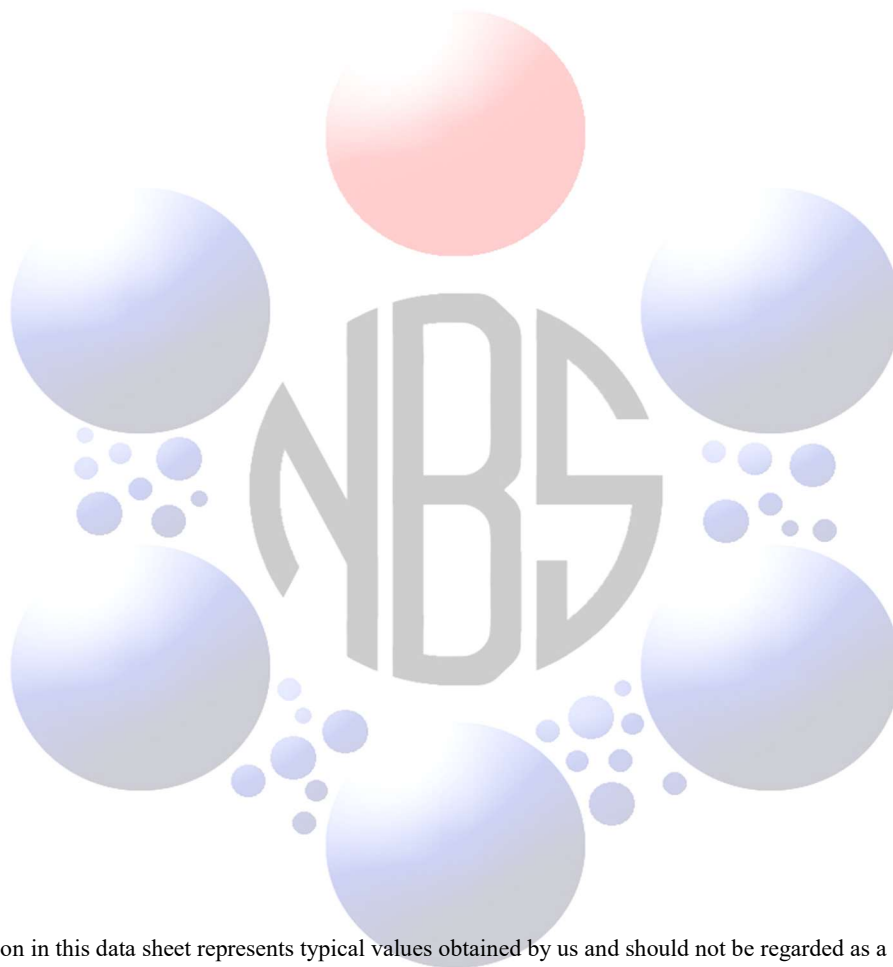
Suitable for the production of melt blown fibers and also injection molding complex parts and etc.

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 NovinFlow-130M is about 6 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.

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