	<i>Novin Baspar Sazeh Co.</i>	2022
	NovinStab-PX7118	Additive Masterbatch

Datasheet for Antioxidant Masterbatch, NovinStab-PX7118

Introduction

This group of masterbatches with trade name NovinStab® are used in polymeric products to provide thermal stability, and inhibit thermal degradation while processing and in the duration of product consumption. They provide the mentioned properties via stabilizing radicals produced by heat or oxygen.

NovinStab-PX7118 is based on a blend of phenolic (primary) and phosphite (secondary) antioxidant species by the effective weight ratio of 1:2. They improve the processing stability and prolong the life of the final product.

Main Features

- To protect PP chains from breakage especially when processing at high temperature or high shear rates.
- To prevent PP material from yellowing during processing or long-life exposure. Also to decrease color change with time.
- During machinery shut-down to prevent the degradation of the polymer. Its use enables an easier machinery start-up with minimum waste generation.
- To decrease material deterioration and MFI change in recycling plants and while using recycled materials.

Specifications

Property	Value
Appearance	Slightly white cylindrical Pellet
Density (g/cm ³)	0.9
MFI (g/10min; 2.16 kg, 230°C)	8-10
Carrier Resin	Polypropylene
Addition Rate (wt %)	1-5

Guideline to Use

Recommended addition rates of NovinStab-PX7118 are between 1-5 % by weight of the masterbatch. For PP sheet extrusion, recommended addition rates are between 2-3 % by weight of the masterbatch to prevent PP material from degradation.

Applications

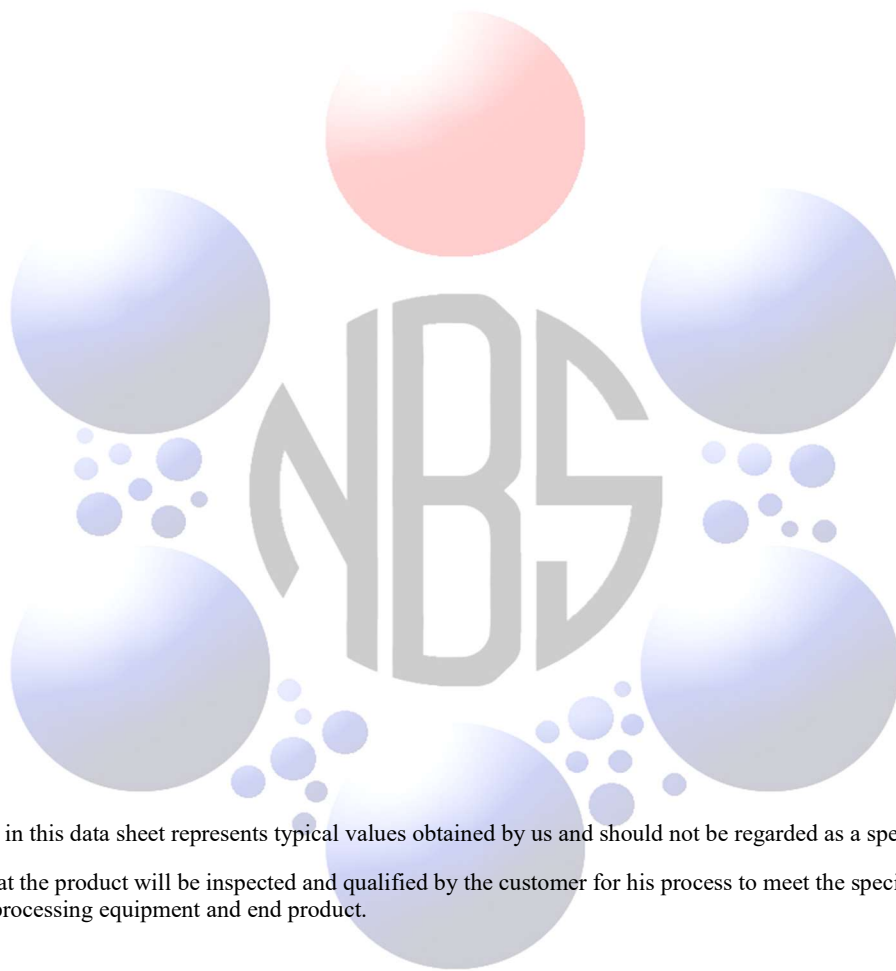
Recommended for PP based sheets, thermoforming and injection molded parts.

Packaging

The standard packing is 25 kg PE bags.

Storage

Storage in very humid areas or under direct sunlight for long periods should be avoided.



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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