

	<i>Novin Baspar Sazeh Co.</i>	2022
	NovinStab-SX7218	Additive Masterbatch

Datasheet for Antioxidant Masterbatch, NovinStab-SX7218

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-SX7218 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 polymer chains from breakage especially when processing at high temperature or high shear rates.
- To prevent polymer 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 and prevents 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)	~1
MFI (g/10min; 5 kg, 200°C)	~10
Carrier Resin	Polystyrene
Addition Rate (wt %)	1-4

Guideline to Use

Recommended addition rates of NovinStab-SX7218 are between 1-4 % by weight of the masterbatch depending on the processing conditions such as process maximum temperature. For PS sheet extrusion, recommended addition rates are between 2-3 % by weight of the masterbatch to prevent material from degradation.

Applications

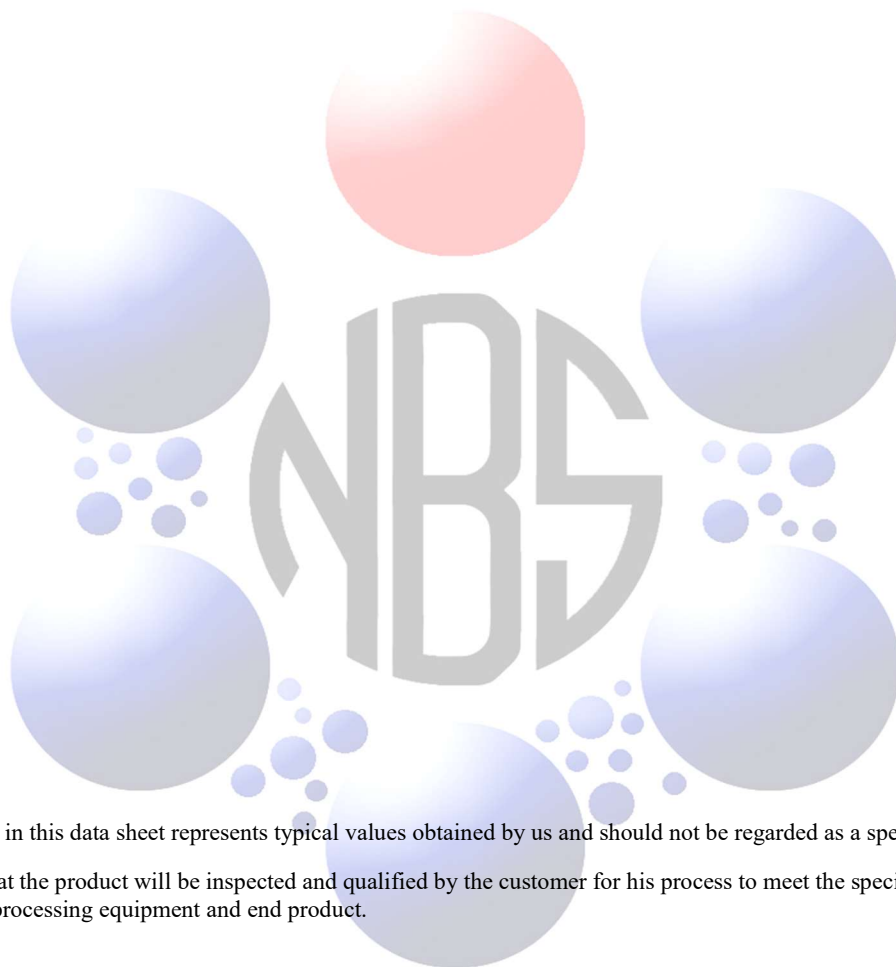
Recommended for thermoforming of PS sheets and also Suitable for injection molding process.

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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