

	<b><i>Novin Baspar Sazeh Co.</i></b>	<b>2021</b>
	<b>NovinStab-EX7015</b>	<b>Additive Masterbatch</b>

## Datasheet for Antioxidant Masterbatch, NovinStab-EX7015

### 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-EX7015 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 PE chains from breakage especially when processing at high temperature or high shear rates.
- To prevent PE 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 gel formation, particularly in the film processing
- To decrease material deterioration and MFI change in recycling plants and while using recycled material

## Specifications

Property	Value
Appearance	Slightly white cylindrical Pellet
Melting Point (°C)	≤130
Density (g/cm <sup>3</sup> )	0.955-0.960
MFI (g/10min; 2.16 kg, 200°C)	5-6
Carrier Resin	HDPE
Addition Rate (wt %)	3-5

## Guideline to Use

Recommended addition rates of NovinStab-EX7015 are between 3-5 % by weight of the masterbatch to reach the 100min OIT, depending on the processing conditions such as process maximum temperature.

## Applications

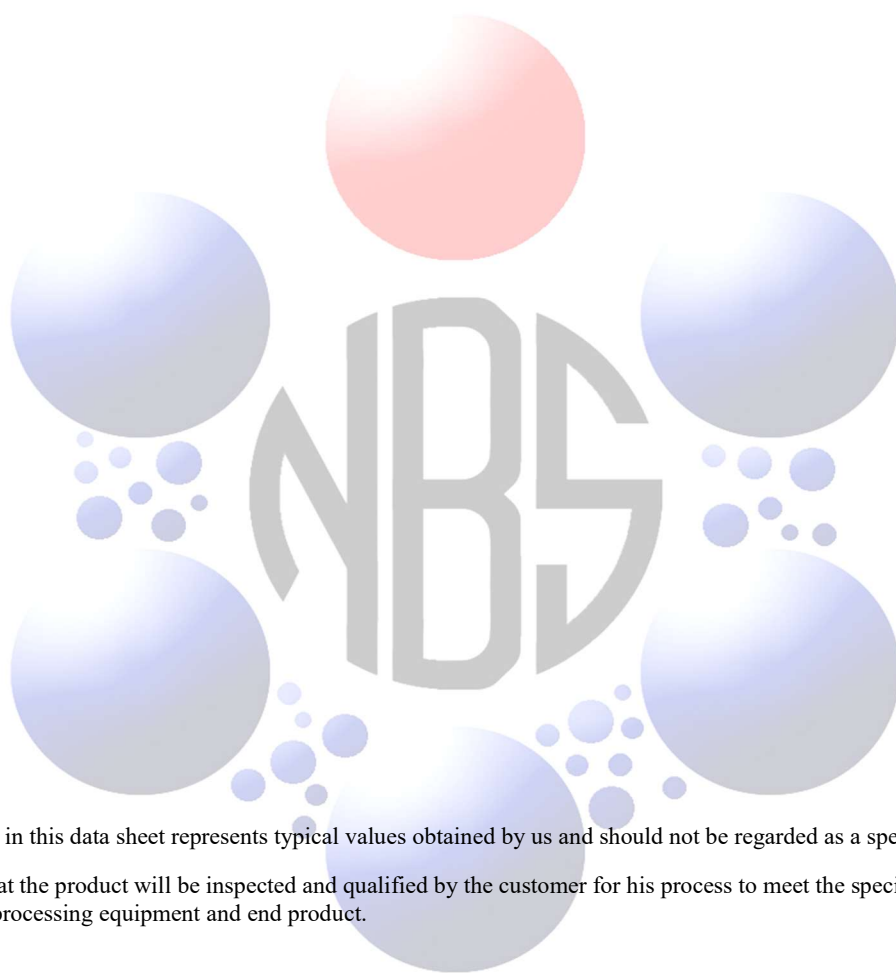
Recommended for HDPE geomembrane production and also Suitable for film blowing and pipe extrusion process.

## 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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