

	<i>Novin Baspar Sazeh Co.</i>	2023
	NovinBright-OBM 6036	Additive Masterbatch

Datasheet for Optical Brightener Masterbatch

NovinBright-OBM 6036

Introduction

This group of masterbatches with trade name NovinBright® work via a fluorescent mechanism which absorbs light in the UV spectrum and emits light in the blue region of visible spectrum to yield a brighter and fresher appearance. These optical brightener masterbatches also called Fluorescent Whitening agents since they mask natural yellowing plastics.

NovinBright-OBM6036 is added in polymers to reduce yellowing, improved whiteness, and to enhance the brightness of a product and is specifically designed for rhotomolding parts such as water tanks.

Main Features

NovinBright-OBM6036 Contain a high level of pure optical brightener chemicals and will results in myriad advantages namely :

- Improve surface finish of the plastic parts
- Get more surface brightness
- It gives smooth & glossy surface of the plastics
- Improves optical properties by removing yellowish
- Improve whiteness of recycled polymer

Specifications

Property	Value
Appearance	Shine green cylindrical granule
Melt Flow Index (@ 2.16 , 190°C)	~4
Melting Point (°C)	~125-130
Bulk Density (g/cm ³)	~ 0.92-0.94
Carrier Resin	MDPE
Addition Rate	1-4% depending on the final products thickness

Guideline to Use

Recommended addition rates of NovinBright-OBM6036 are between 0.5 to 1% by weight of the masterbatch for rhotomolding process.

Applications

Suitable for rhotomolding process, sheet production, blow and injection 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-OBM6036 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.

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