

Optical Brightener Masterbatch

POOYESH POLYMER Co.

Optical Brightener Masterbatch

Is also called Fluorescent Whitening agents. These Masterbatches are added in polymers to reduce yellowing, improved whiteness, and to enhance the brightness of a product. These Masterbatches work via a luorescent 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.

The tendency of many Plastic materials to yellow is due to degradation by UV or visible light/Processing. The breakdown products absorb blue light, giving a yellow appearance in daylight. They work via a luorescent mechanism, absorbing light in the UV spectrum and emitting it in the blue range of the visible spectrum, resulting in a brighter, fresher appearance. Optical Brightener Masterbatch will actually appear brighter than the light which strikes them with such qualities; it is not surprising that Optical Brightener Masterbatch are found in numerous applications.



1- Identification of the Preparation:

Product Type:	Optical Brightener Masterbatch
Product Name:	Optical Brightener Masterbatch - T
Appearance:	Granule
Company:	POOYESH POLYMER

2- Product Description:

Anti-UV Masterbatch T gives very good UV protection to polyolefin plastics;
The active ingredient consists of HALS which gives the most effective light stabilization effect at low dosages;

It has no effect on sealability;

Anti-UV Masterbatch T can be used in all polyolefin – mainly in thin applications, such as films and tapes;

It is especially recommended for applications requiring low volatility and minimal migration;

Color stability is over 24 months and upon to the color pigment quality in the part.

Carrier Resin:	LDPE
Carrier Resin MFI:	(gr/10 min) 20
Density:	(gms/cm ³) 0.56 ~ 0.61
Active Energetic Additive:	2.5%
Filler:	0%
Application Rate:	0.2% ~ 0.5 % of the part's weight

3- Product Benefits:

- Improve initial color
- Get brilliancy of colored articles
- Contain highly concentrated Brightener chemicals
- It gives smooth & glossy surface of ilm
- Improves optical properties
- Bring bright look of inished material
- Smooth surface
- Glossy surface
- Give neutrality to reprocess plastic granules.
- Imparts bluish – purple tint
- Improve whiteness of recycled polymer

4- Product Benefits:

OPTICAL BRIGHTNER MASTERBATCH T /POOYESH POLYMER POUYA bags should be stored in a dry and cool place below 35 ° C,protected from sunlight & tightly closed to avoid contamination

POOYESH POLYMER CO.

Manufacturer of colored masterbatches and polymer additives

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