

Anti-UV Masterbatch

POOYESH POLYMER Co.

Plastics are sensitive to degradation by UV light and must be therefore protected when exposed to solar radiation. The extent and rate of this degradation is influenced by various parameters such as, for example, climatic conditions, thickness of the part, polymer type or the presence of other additives. POOYESH POLYMER POUA offers a wide range of UV stabilizer masterbatches. These cover applications in agriculture, industrial and food packaging, polymers such as PE, PP, EVA, and range from standard grades to highly performing stabilizer packages based on the latest generation of HALS (Hindered Amine Light Stabilizer). and therefore it must have a degree of incompatibility with the polymer.

1- Identification of the Preparation:

Product Type:	Anti-UV Masterbatch
Product Name:	Anti-UV 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:	(gr/cm ³) 0.98
UV (HALS):	20%
Antistatic:	1%
Application Rate:	1 – 3 % of the part's weight

3- Product Benefits:

Ultraviolet (UV) light can be particularly damaging to the polymer backbone of polyolefins, and for UV-exposed products. To varying degrees, UV light especially affects products that spend most or just any of their service lives outdoors. UV can cause yellowing or otherwise unintended color changes, while also degrading the materials physically, causing surface chalking, cracking, loss of gloss, and lower mechanical properties. Moreover, UV light that is allowed to pass through a packaging material may damage the product contained inside, even lowering the nutritional value of the food or beverage. Thus, UV-blocking, -absorbing, and -stabilizing additives receive much deserved attention from additives developers and users.

4- Product Benefits:

Anti-UV 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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