



P.O.Box: 14155 – 5345 ,Tehran , Iran  
Tel: (+9821) 44207691  
www.3pmasterbatch.ir

## ***Technical Data sheet***

### **Anti UV Masterbatch**

#### **1. Identification of the Preparation**

Product Type: **Anti UV Masterbatch**  
Product Name: **UV**  
Appearance: **Granule**  
Company: **3P**

#### **2. Product Description**

Agricultural plastics applications, such as greenhouses, can be particularly critical for polyethylene films due, amongst other things, to high ultraviolet exposure, heat build-up on the greenhouse framework, and the effect of crop protection and soil disinfection that are extensively used in agriculture. LDPE, LLDPE films containing Anti UV show outstanding resistance to the effect of solar irradiation and to the thermal effect of supports . This is combined with very a good resistance to the traditional soil disinfection and crop protection chemicals. In addition, Anti UV gives good long-term retention of mechanical properties on the full film as well as in contact with the iron supports. Films containing Anti UV are slightly translucent due to the increased diffusion of light passing through the film. This effect has proven positive for the cultivation of flowers such as carnations, roses and safflowers as well as for some horticultural products.

#### **3. Information on Ingredients**

<b><i>Property</i></b>	<b><i>Test Method</i></b>	<b><i>Value</i></b>
<b>Base Resin</b>	-----	<b>LDPE</b>
<b>Additives Content (%)</b>	<b>Formulation</b>	<b>12%</b>
<b>Additive Dispersion</b>	<b>BS-2782</b>	<b>Excellent</b>
<b>Usage Rate</b>		<b>1% - 2%</b>

#### **4. Packaging**

Anti UV bags should be stored in a dry and cool place below 35°C, protected from sunlight & tightly closed to avoid contamination .