

PRODUCT DATA SHEET

White Masterbatch

Grade: TI75K.1 PE

I- Applications:

1. PE high quality co-extruded film, multilayer films, industrial films, food packaging material, cast film, injection Molding & general purpose applications.
2. In general for applications which need high opacity and white appearance with high white index.

II- Features

1. TI75K.1 PE white Masterbatch is a high quality White Masterbatch developed for thin film
2. This premium product is designed for high-end coextruded film applications where premium quality performs are required.
3. It can be mixed with any polyethylene resin for film blowing, casting, extrusion.
PE 2603L TI75K.1PE have a high dispersion and give very good mixing capabilities due to high quality rutile type TiO₂.

III- Physical Properties: (Test result is recorded after production)

| Item code: TI75K.1 PE | Test Method | Unit | Specification | Minimum-Maxi. Specification |
|------------------------------------|-------------|-------------------|---------------|-----------------------------|
| Carrier resin | ASH TESTER | N/A | PE | N/A |
| TiO ₂ content | ASH TESTER | % | 75 | 73,5 - 76,5 |
| Density | ASTM D1506 | g/cm ³ | 2.20 | |
| Moisture content | IR | % | ≤ 0.15 | |
| Melting flow index (190°C/2.16 kg) | ASTM D1238 | g/10mins | 16.0 | 14,0 - 18,0 |
| Particle size | Caliper | mm | 1,8 | 1,6 - 2 |
| Appearance | | | White Oval | |

IV- Processing suggestions

1. In general, the recommended loading ratio is from 0.5 - 20 % depending on technology, products or machines and compliance requested.
2. The processing temperature is set from 120 °C-300 C in according to resin' processing temperature

V- Package, Transportation and Storage suggestions:

1. Please kindly note to avoid moisture, isolation and breakage in transportation and storage



2. Shelf life of the product is 24 month if it is stored in low humidity warehouse, the product should not be stored outside as it can pick up moisture if it is exposed to water.

 3. Packing: 25 kgs/bag printed or non-printed / 1250 kg/ pallet (or Jumbo bag 1250 kg)
STS AB would not give warranty to bad storage conditions which may lead to quality deterioration such as color change, bad smell and inadequate product performance.
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