

PRODUCT DATA SHEET
WHITE MASTERBATCH

Grade: TI40/32

(Test result is recorded right after production)

I- Applications:

1. PE shopping bags, film for food packaging, industrial films, packaging material & containers, any molded part
2. In general for injection, extrusion, film blown molding technology

II- Features

1. TI40/32 is a polyethylene based master batch containing 40 % TiO₂ with filler of 32 % Calcium Carbonate at very high quality it is pure white with excellent dispensability.
2. It helps improve for machine's extrusion efficiency and increase film & mold's physical properties.
3. It can be mixed with any polyethylene resin for film blowing, casting, extrusion etc. and have excellent dispersion with good compatibility. It functions as a modifier to improve the heat resistance, slip resistance, size stability and printability. It also reduces heat release from burning and therefore it prevents further environmental pollution.

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

Item code: PE TI 40	Test Method	Unit	Result	About Result Allowed
Carrier resin	ASH TESTER	%	PE	27 - 31
TiO ₂ content	ASH TESTER	%	40	39 - 41
Density	ASTM D1506	g/cm ³	2.08	
Moisture content	IR	%	≤ 0.15	
Melting flow index (190°C/2.16 kg)	ASTM D1238	g/10mins	20.0	18.0 - 22.0
Particle size (Granules)	Caliper	mm	1.8	1.7 - 2.0
FILLER CaCO ₃	ASTM 5630	%	30	30 - 32

IV- Processing suggestions

1. In general, the recommended loading ratio is from 0.5-20 % depending on technology, products or machines.
2. The processing temperature is set from 125-280 C according to resin's processing temperature. □

V- Package, Transportation and Storage suggestions:

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



2. The product is not very sensitive to moisture. Make sure to use product after maximum storage for 24 months. Do not store the product outside or expose it for water.

3. Packing: 25 kgs/bag printed or non-printed (or Jumbo bag)

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. It is advisable to process PE White MB within 12-18 months after delivery date.
