

White Masterbatch

White uniform granules/pellets

Product Description

Titanium dioxide based white masterbatch for plastic coloring.

Certificate of Analysis

HSN Code: 3206.11 CAS Number: 13463-67-7 Classification: Non-hazardous

Parameter	Specification	Test Method
Appearance	White uniform granules/pellets	Visual
Base Polymer	LDPE / LLDPE / PP (as per customer requirement)	Material Spec
Titanium Dioxide (TiO ₂)	50% – 75%	Thermogravimetric / Ash Content
Pigment Type	Rutile Grade (coated for dispersion & weather resistance)	Manufacturer Spec
Moisture Content	Max 0.15%	Moisture Analyzer / Karl Fischer
Melt Flow Index (MFI, 190°C/2.16kg)	2 – 15 g/10 min (depending on base polymer)	ASTM D1238
Specific Gravity	1.5 – 1.8	ASTM D792
Dispersion (Hegman gauge)	Min 7	ASTM D1210
Heat Stability	Up to 280°C	Heat Test
Weather Resistance	Excellent (Non-yellowing)	Accelerated Weathering Test
Carrier Compatibility	PE / PP / EVA / PS / ABS	Compatibility Test
Volatile Matter	Max 0.3%	Gravimetric
Filtration Pressure Value (FPV)	"d 1 . 5 b a r / g	Filter Test
Solubility	Insoluble in water	Visual

Physical Properties

Appearance: White uniform granules/pellets

Solubility: Insoluble in water

Packing: 25 kg laminated PE bags; 500 kg or 1000 kg jumbo bags (on request)

Storage: Store in a cool, dry, and well-ventilated area; Avoid moisture and direct sunlight; Keep bags tightly sealed when not in use

Safety & Handling

PPE: Dust mask during processing

Hazards:

- Mild dust irritation during processing