

PRODUCT OVERVIEW

A high-opacity white masterbatch for polyolefin film, sheet, blow-moulding and injection applications.

Base / family	Masterbatches and Additives	Primary process	Dosing / compounding
Supply form	Pellets	Standard colour	White

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Titanium-dioxide content	Ash / TGA	70	wt. %
Pigment type	XRF / supplier specification	Rutile TiO₂	
Carrier polymer	FTIR	LLDPE	
Density, 23°C	ISO 1183-1	2.03	g/cm ³
Melt flow rate, 190°C/21.6 kg	ISO 1133-1	14	g/10 min
Moisture / volatile content	ISO 15512	≤ 0.20	wt. %
Recommended addition	End-use trial	1.0-5.0	%

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS - Blown/cast film - Sheet and profiles - Blow and injection moulding	KEY BENEFITS 70% surface-treated rutile TiO₂ - High opacity and whiteness - PE-compatible carrier
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PROCESSING GUIDELINES

Dose into a compatible polyolefin at 1.0-5.0%, according to thickness and opacity requirement. Use gravimetric dosing for consistent colour and minimise unnecessary thermal history.

PACKAGING AND STORAGE 25 kg PE-lined bags on pallets. Store dry, below 40°C, away from sunlight and direct heat. Recommended shelf life: 12 months in unopened packaging.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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The information in this document is provided for material selection and processing guidance. Suitability for a specific design, process and end use should be confirmed by the user under actual service conditions.