

PRODUCT OVERVIEW

A high-loading black masterbatch for colouring and UV screening in compatible polyethylene applications.

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

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Carbon-black content	TGA / gravimetric method	40	wt. %
Carrier polymer	FTIR	Polyethylene	
Density, 23°C	ISO 1183-1	1.20	g/cm ³
Melt flow rate, 190°C/21.6 kg	ISO 1133-1	12	g/10 min
Moisture / volatile content	ISO 15512	≤ 0.20	wt. %
Dispersion rating at recommended dosage	ISO 18553	≤ 3	grade
Recommended addition	End-use trial	2.5-6.0	%

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

APPLICATIONS - Film and sheet - Pipe and conduit - application-specific approval - Moulded PE products	KEY BENEFITS 40% carbon black - High colour strength - PE-compatible carrier
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PROCESSING GUIDELINES

Preblend or gravimetrically dose into compatible polyethylene. Typical addition is 2.5-6.0%, depending on colour, UV performance, film thickness and end-use requirements.

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.