

PRODUCT OVERVIEW

A UV-stabilised, impact-modified mineral-filled TPO compound for durable non-safety automotive exterior trim.

Base / family	Automotive TPO Compounds	Primary process	Injection moulding
Supply form	Pellets	Standard colour	Natural / black / matched colour

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Inorganic residue	ISO 3451-1	20	wt. %
Melt flow rate, 230°C/2.16 kg	ISO 1133-1	19	g/10 min
Density, 23°C	ISO 1183-1	1.055	g/cm ³
Tensile stress at yield, 23°C	ISO 527-2	18	MPa
Flexural modulus, 23°C	ISO 178	1,550	MPa
Notched Izod impact, 23°C	ASTM D256	425	J/m
Notched Charpy impact, -30°C	ISO 179-1/1eA	6	kJ/m ²
Mould shrinkage, flow / transverse	ISO 294-4	0.8 / 1.1	%

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

APPLICATIONS - Bumper trim - Wheel-arch cladding - Exterior covers and guards	KEY BENEFITS - High impact performance - UV and thermal stabilisation - Paintable option
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PROCESSING GUIDELINES

Injection moulding. Recommended melt temperature: 200-240°C; mould temperature: 30-60°C. Final weathering, colour retention and coating adhesion depend on colour, texture, paint system and component design.

Technical note: Weathering and coating performance should be assessed on the final colour, texture and component construction.

PACKAGING AND STORAGE 25 kg moisture-resistant 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.