

PRODUCT OVERVIEW

A medium-high-flow structural PP compound for demanding moulded components with high stiffness and strength.

Base / family	Glass-Fibre Reinforced Polypropylene	Primary process	Injection moulding
Supply form	Pellets	Standard colour	Natural / black

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Glass-fibre content	ISO 3451-1	30	wt.%
Melt flow rate, 230°C/2.16 kg	ISO 1133-1	14	g/10 min
Density, 23°C	ISO 1183-1	1.11	g/cm ³
Tensile strength, 23°C	ISO 527-2	90	MPa
Flexural modulus, 23°C	ISO 178	6,000	MPa
Notched Charpy impact, 23°C	ISO 179-1/1eA	10	kJ/m ²
HDT, 1.80 MPa, unannealed	ISO 75-2	145	°C
Mould shrinkage, flow/transverse	ISO 294-4	0.3 / 0.7	%

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

APPLICATIONS - Pump and appliance components - Industrial brackets - Automotive technical parts	KEY BENEFITS - High stiffness and strength - Low creep - Reduced thermal expansion
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PROCESSING GUIDELINES

Injection moulding. Recommended melt temperature: 220-260°C; mould temperature: 40-70°C. Gate placement and filling profile should be selected to manage fibre orientation and part warpage.

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.