

PRODUCT OVERVIEW

A heat-stabilised structural polypropylene compound offering very high stiffness for demanding moulded components and selected metal-replacement applications.

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	40	wt.%
Melt flow rate, 230°C/2.16 kg	ISO 1133-1	5.5	g/10 min
Density, 23°C	ISO 1183-1	1.22	g/cm ³
Tensile strength, 23°C	ISO 527-2	93	MPa
Flexural modulus, 23°C	ISO 178	7,500	MPa
Notched Izod impact, 23°C	ASTM D256	80	J/m
HDT, 1.82 MPa, unannealed	ASTM D648	152	°C
Mould shrinkage, flow/transverse	ISO 294-4	0.3 / 0.6	%

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

APPLICATIONS • Structural appliance parts • Industrial supports • Under-hood technical components	KEY BENEFITS • Very high modulus • High heat resistance • Low creep under load
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PROCESSING GUIDELINES

Injection moulding. Recommended melt temperature: 225-260°C; mould temperature: 40-70°C. Use wear-resistant equipment and account for fibre orientation in gate and part design.

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.