

## PRODUCT OVERVIEW

Chemically coupled PP compound combining useful stiffness, strength and heat resistance with practical injection flow.

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

## TYPICAL PROPERTIES

| Property / condition             | Test method | Typical value    | Unit              |
|----------------------------------|-------------|------------------|-------------------|
| Glass-fibre content              | ISO 3451-1  | <b>20</b>        | wt. %             |
| Melt flow rate, 230°C/2.16 kg    | ISO 1133-1  | <b>5</b>         | g/10 min          |
| Density, 23°C                    | ISO 1183-1  | <b>1.04</b>      | g/cm <sup>3</sup> |
| Tensile strength, 23°C           | ISO 527-2   | <b>68</b>        | MPa               |
| Flexural modulus, 23°C           | ISO 178     | <b>4,000</b>     | MPa               |
| Notched Izod impact, 23°C        | ASTM D256   | <b>75</b>        | J/m               |
| HDT, 1.82 MPa, unannealed        | ASTM D648   | <b>145</b>       | °C                |
| Mould shrinkage, flow/transverse | ISO 294-4   | <b>0.4 / 0.8</b> | %                 |

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

|                                                                                                                                                                                 |                                                                                                                                                                   |
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| <b>APPLICATIONS</b> <ul style="list-style-type: none"> <li>• Appliance frames</li> <li>• Electrical and industrial parts</li> <li>• Under-hood non-safety components</li> </ul> | <b>KEY BENEFITS</b> <ul style="list-style-type: none"> <li>• Chemically coupled</li> <li>• Higher heat resistance</li> <li>• Improved creep resistance</li> </ul> |
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## PROCESSING GUIDELINES

Injection moulding. Recommended melt temperature: 220-250°C; mould temperature: 40-70°C. Wear-resistant plasticising components are recommended. Moderate screw speed helps retain fibre length.

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| <b>PACKAGING AND STORAGE</b> <p>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.</p> | <b>REGULATORY DOCUMENTATION</b> <p>Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.</p> |
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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.