

PRODUCT OVERVIEW

A high-modulus talc-filled polypropylene compound for rigid, dimensionally stable moulded components and selected metal-replacement applications.

Base / family	Mineral-Filled Polypropylene Compounds	Primary process	Injection moulding
Supply form	Pellets	Standard colour	Natural / custom colour

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Talc content	ISO 3451-1	40	wt.%
Melt volume-flow rate, 230°C/2.16 kg	ISO 1133-1	11	cm ³ /10 min
Density, 23°C	ISO 1183-1	1.25	g/cm ³
Tensile stress at break, 23°C	ISO 527-2	26	MPa
Flexural modulus, 23°C	ISO 178	4,850	MPa
Notched Charpy impact, 23°C	ISO 179-1/1eA	2.5	kJ/m ²
HDT, 0.45 MPa, unannealed	ISO 75-2	130	°C
Mould shrinkage, flow/transverse	ISO 294-4	0.6 / 0.8	%

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

APPLICATIONS - Structural housings - HVAC/appliance components - Automotive brackets and covers	KEY BENEFITS - High stiffness - Low mould shrinkage - Heat-stabilised formulation option
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PROCESSING GUIDELINES

Injection moulding. Recommended melt temperature: 220-260°C; mould temperature: 30-60°C. Use moderate shear and verify weld-line performance for load-bearing geometries.

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.