

PRODUCT OVERVIEW

A natural general-purpose ABS compound designed for injection-moulded housings and industrial components requiring a balanced combination of surface quality, stiffness, impact performance and dimensional control.

Base / family	Styrenic Materials	Primary process	Injection moulding
Supply form	Pellets	Standard colour	Natural / custom colour

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Density, 23°C	ISO 1183-1	1.05	g/cm ³
Melt flow rate, 220°C/10 kg	ISO 1133-1	19	g/10 min
Tensile stress at yield, 23°C	ISO 527-2	46	MPa
Tensile modulus, 23°C	ISO 527-2	2,350	MPa
Flexural modulus, 23°C	ISO 178	2,350	MPa
Notched Charpy impact, 23°C	ISO 179-1/1eA	22	kJ/m ²
Vicat softening temperature, VST/A50	ISO 306	99	°C
Mould shrinkage, flow/transverse	ISO 294-4	0.6	%
Gloss, 60°, defined plaque	ASTM D2457	≥ 80	GU

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

APPLICATIONS • Appliance housings • Consumer products • Office equipment • Non-rated electrical and electronic housings • General industrial mouldings	KEY BENEFITS • High-quality surface • Balanced stiffness and impact • Stable injection moulding • Good colourability
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PROCESSING GUIDELINES

Injection moulding. Predry at 80°C for 2-4 h in dry air. Recommended melt temperature: 220-260°C; mould temperature: 40-80°C. Limit residence time and provide effective venting.

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.