

Polypropylene

ED022HPB

Polypropylene Compound

Description

ED022HPB is a polypropylene copolymer intended for injection moulding.

Applications

ED022HPB has been developed especially for applications like:

Structural parts Spare-wheel carrier

Special Features

Good stiffness and impact balance Good flowability
Low density

Physical Properties

Values determined on standard injection moulded specimens conditioned at 23°C and 50% relative humidity after at least 96 hours storage time.

Property	Typical Value	Test Method
	Data should not be used for specification work	
Density (23 °C)	920 kg/m ³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	6 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	1.700 MPa	ISO 178
Tensile Stress at Yield (50 mm/min) (23 °C)	35 MPa	ISO 527-2
Charpy Impact Strength, notched (23 °C)	3,5 kJ/m ²	ISO 179/1eA
Charpy Impact Strength, unnotched (23 °C)	35 kJ/m ²	ISO 179/1eU

Processing Techniques

The actual conditions will depend on the type of equipment used.

ED022HPB is easy to process with standard injection moulding machines. To avoid residual humidity from transport or storage, the material should be pre-dried approximately 2h at 95° - 105°C. Following moulding parameters should be used as guidelines:

Melt temperature	180 - 210 °C
Holding pressure	50-70% of injection pressure
Mould temperature	20 - 40 °C
Injection speed	Low to medium

Storage

ED022HPB should be stored in dry conditions at temperatures below 50 °C and protected from UV-light. Improper storage can initiate degradation, which results in odour generation and colour changes and can have negative effects on the physical properties of this product.

Safety

Please see our "Safety data sheet" / "Product safety information sheet" for details on various aspects of safety, recovery and disposal of the product. For more information, contact your Borealis representative.

Recycling

The product is suitable for recycling using modern methods of shredding and cleaning. In-house production waste should be kept clean to facilitate direct recycling.

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Regional Availability

South America

For information on regional availability please contact Borealis Sales Representative.

Disclaimer

The product(s) mentioned herein are not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications.

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