



Polypropylene

Daplen™ EG066AIB

Polypropylene Copolymer

Description

Daplen EG066AIB is a polypropylene copolymer intended for injection moulding.

Applications

Daplen EG066AIB has been developed especially for the car industry to be used in automotive interior parts.

Door panels and pockets

Interior trims

Special features

Good balance in stiffness and impact resistance

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)	905 kg/m ³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	22 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	1.000 MPa	ISO 178
Flexural Strength	25 MPa	ISO 178
Heat Deflection Temperature Edgewise (0,45 MPa)	81 °C	ISO 75-2
Izod Impact Strength, notched (23 °C)	38 kJ/m ²	ISO 180/1A
Izod Impact Strength, notched (-20 °C)	7 kJ/m ²	ISO 180/1A

Combustion Properties

Property	Typical Value	Test Method
Data should not be used for specification work		
Flammability at thickness 1 mm	Max100 mm/min	ISO 3795

Processing Techniques

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

Daplen EG066AIB 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 parameters should be used as guidelines:

Melt temperature	220 - 240 °C
Holding pressure	50-70% of injection pressure

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Mould temperature
Injection speed

20 - 40 °C
Low

Storage

Daplen EG066AIB 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

The product is not classified as dangerous. 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.

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.

To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication; however we do not assume any liability whatsoever for the accuracy and completeness of such information.

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