



Polypropylene

Daplen™ EF267AIB

Polypropylene TPO Compound

Description

Daplen EF267AIB is a 20% mineral filled polypropylene compound intended for injection moulding.

Applications

Daplen EF267AIB has been developed especially for the car industry to be used in automotive interior parts.

Dashboards
Door panels and pockets

Center consoles
Other automotive interior parts

Special features

Very good scratch resistance
Excellent stiffness

Good impact strength

Physical Properties

Property	Typical Value	Test Method
Data should not be used for specification work		
Density (23 °C)	1040 kg/m ³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	19 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	2.380 MPa	ISO 178
Flexural Strength	35 MPa	ISO 178
Tensile Modulus (1 mm/min) (23 °C)	2.500 MPa	ISO 527-2
Tensile Stress at Yield (50 mm/min) (23 °C)	27 MPa	ISO 527-2
Heat Deflection Temperature Edgewise (1,82 MPa)	56 °C	ISO 75-2
Heat Deflection Temperature Edgewise (0,45 MPa)	104 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	6,4 kJ/m ²	ISO 179/1eA
Charpy Impact Strength, notched (-30 °C)	2,4 kJ/m ²	ISO 179/1eA
Izod Impact Strength, notched (23 °C)	6 kJ/m ²	ISO 180/1A
Izod Impact Strength, notched (-30 °C)	2,6 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.

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Daplen EF267AIB 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 - 260 °C
Holding pressure	50-70% of injection pressure
Mould temperature	30 - 60 °C
Injection speed	Medium

Storage

Daplen EF267AIB 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.

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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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