

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

Center consoles

Door panels and pockets

Other automotive interior parts

Special Features

Very good scratch resistance

Good impact strength

Excellent stiffness

Physical Properties

Property	Typical Value	Test Method
Data should not be used for specification work		
Density (23 °C)	1030 kg/m ³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	19 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	2.300 MPa	ISO 178
Tensile Stress at Yield (50 mm/min) (23 °C)	26 MPa	ISO 527-2
Heat Deflection Temperature B (0,45 MPa)	105 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	5 kJ/m ²	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	3 kJ/m ²	ISO 179/1eA
Charpy Impact Strength, notched (-30 °C)	2 kJ/m ²	ISO 179/1eA

Combustion Properties

Property	Typical Value	Test Method
Data should not be used for specification work		
Flammability at thickness 3 mm	100 mm/min	ISO 3795
Fogging (100 °C,6 h)	1,7 mg	DIN 75201

Processing Techniques

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

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

Daplen is a trademark of the Borealis group.

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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

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.

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.

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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