Polypropylene

Daplen™ EG206AIB

Polypropylene Compound, Mineral Filled

Description

Daplen EG206AIB is a 22% mineral filled polypropylene compound intended for injection moulding.

Applications

Daplen EG206AIB has been developed especially for the car industry to be used in automotive interior parts.

Dashboards
Door panels and pockets
Pillar trims
Other automotive interior parts

Special features

Very good stiffness and impact balance
Low gloss
High scratch resistance

Physical Properties

Property	Typical Value Data should not be used for specification work	Test Method
Density (23 °C)	1080 kg/m³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	18 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	2.000 MPa	ISO 178
Flexural Strength	30 MPa	ISO 178
Tensile Strain at Yield (50 mm/min) (23 °C)	4 %	ISO 527-2
Tensile Stress at Yield (50 mm/min) (23 °C)	21 MPa	ISO 527-2
Heat Deflection Temperature Edgewise (1,8 MPa)	56 °C	ISO 75-2
Vicat softening temperature B50,	53 °C	ISO 306
Izod Impact Strength, notched (23 °C)	20 kJ/m²	ISO 180/1A
Izod Impact Strength, notched (0 °C)	6 kJ/m²	ISO 180/1A
Izod Impact Strength, notched (-30 °C)	4 kJ/m²	ISO 180/1A

Combustion Properties

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

Processing Techniques

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

Daplen EG206AIB 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 80°C. Following moulding parameters should be used as guidelines:

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Research Center Tel.+188 1699 6168

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Polypropylene
Daplen EG206AIB

Feeding temperature	40 - 80 °C
Mass temperature	220 - 260 °C
Back pressure	Low to medium
Holding pressure	30 - 60 MPa
Mould temperature	30 - 50 °C
Screw speed	Low to medium
Flow front speed	100 - 200 mm/s

Storage

Daplen EG206AIB 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. should be stored in dry conditions at temperatures below 50°C and protected from UV-light.

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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