



Polypropylene

Daplen™ MC430AEB

Polypropylene Compound, Mineral Filled

Description

Daplen MC430AEB - is a Mineral filled polypropylene compound intended for extrusion moulding.

The product is 40% Mineral filled.

Applications

Daplen MC430AEB has been developed especially for the car industry to be used in automotive exterior parts.

Exterior trims

Special features

High stiffness
High dimensional stability

Heat deformation 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)	1200 kg/m ³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	2 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	3.400 MPa	ISO 178
Flexural Strength	45 MPa	ISO 178
Tensile Modulus (1 mm/min) (23 °C)	3.500 MPa	ISO 527-2
Tensile Strain at Break (50 mm/min) (23 °C)	40 %	ISO 527-2
Tensile Stress at Yield (50 mm/min) (23 °C)	29 MPa	ISO 527-2
Heat Deflection Temperature Edgewise (0,45 MPa)	130 °C	ISO 75-2
Izod Impact Strength, notched (23 °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.

This product is easy to process with standard extrusion machines. Following parameters should be used as guidelines:

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Barrel
Melt temperature

190 - 240 °C
180 - 240 °C

Storage

Daplen MC430AEB 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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