



# Polypropylene Daplen™ MC430AE

Polypropylene Compound, Mineral Filled

## Description

**Daplen MC430AE** - is a Mineral filled polypropylene compound intended for extrusion moulding. The product is 40% Mineral filled.

## Applications

**Daplen MC430AE** 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
Density (23 °C)	1200 kg/m <sup>3</sup>	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
Tensile Stress at Yield (50 mm/min) (23 °C)	25 MPa	ISO 527-2
Heat Deflection Temperature B (0,45 MPa)	128 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	6,5 kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	2 kJ/m <sup>2</sup>	ISO 179/1eA

## 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:

Barrel	190 - 240 °C
Melt temperature	180 - 240 °C

## Storage

**Daplen MC430AE** 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.

Daplen is a trademark of the Borealis group.

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**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.

**Regional Availability**

South America: grade available under the name Daplen MC430AEB

For additional information on regional availability please contact your local 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.**

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