# Polypropylene

# Daploy™ WB130HMS

Polypropylene Homopolymer

## Description

**Daploy WB130HMS** is a propylene-based, structurally isomeric polymer.

## Applications

Thermoformable, foamed films and sheets
Lightweight packaging trays, beakers and containers
Microwaveable food packaging
Technical foams for automotive applications such as headliners, carpet backing
Door liners
Parcel shelves
Water shields
Thermal and acoustic insulation
Under the hood acoustic panels
Cushioning and protective packaging

## Special features

**Daploy WB130HMS** is optimised to deliver:

Improved processability
High stiffness
High service temperature
Foamability in foam extrusion processes
Good insulation properties of foamed materials

## Physical Properties

| Property | Typical Value<br>Data should not be used for specification work | Test Method |
|---|---|---|
| Melt Flow Rate (230 °C/2,16 kg) | 2,0 g/10min | ISO 1133 |
| Flexural Modulus | 1.900 MPa | ISO 178 |
| Tensile Modulus | 2.000 MPa | ISO 527-2 |
| Tensile Strength | 40 MPa | ISO 527-2 |
| Heat Deflection Temperature A | 60 °C | ISO 75-2 |
| Heat Deflection Temperature B | 110 °C | ISO 75-2 |
| Charpy Impact Strength, notched (23 °C) [1] | 3,0 kJ/m² | ISO 179/1eA |
| Charpy Impact Strength, notched (-20 °C) [1] | 1,0 kJ/m² | ISO 179/1eA |

[1] Measured on injection moulded specimens acc. to ISO 1873-2

## Processing Techniques

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

Specific recommendations for processing conditions can be determined only when the application and type of equipment are known.

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BOREALIS

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## Storage

**Daploy WB130HMS** 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 a dangerous preparation.

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.

## Related Documents

The following related documents are available on request, and represent various aspects on the usability, safety, recovery and disposal of the product.

"Safety data sheet" / "Product safety information sheet"
Recovery and disposal of polyolefins
Statement on chemicals, regulations and standards
Statement on compliance to food contact regulations

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