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 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

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.

Borealis makes no warranties which extend beyond the description contained herein. Nothing herein shall constitute any warranty of merchantability or fitness for a particular purpose.

It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.

No liability can be accepted in respect of the use of Borealis' products in conjunction with other materials. The information contained herein relates exclusively to our products when not used in conjunction with any third party materials.

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