

Technical Data Sheet

Moplen 2000HEXP

Polypropylene, Impact Copolymer



Product Description

Moplen 2000HEXP is a medium fluidity heterophasic copolymer development grade with an additivation suitable for injection moulding applications. It exhibits an outstanding impact performance, particularly at low temperature combined with a good processability. The resin is particularly designed for injection moulding applications where very high impact performance is critical.

Moplen 2000HEXP can be used in luggage, closures and as an ideal base material for technical compounding. It is not intended for medical and pharmaceutical applications.

Regulatory Status

For regulatory compliance information, see Moplen 2000HEXP [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Africa-Middle East; Europe
Application	Luggage
Market	Compounding; Rigid Packaging
Processing Method	Compounding; Injection Molding
Attribute	Block Copolymer; High Impact Resistance

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	16	g/10 min	ISO 1133-1
Density	0.89	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	1000	MPa	ISO 527-1, -2
Tensile Stress at Break	14	MPa	ISO 527-1, -2
Tensile Stress at Yield	19	MPa	ISO 527-1, -2
Tensile Strain at Break	100	%	ISO 527-1, -2
Tensile Strain at Yield	5	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	17	kJ/m ²	ISO 179
(0 °C)	10	kJ/m ²	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	8	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature, (A50)	140	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	84	°C	ISO 75B-1, -2
DSC Melting Point	163	°C	DSC

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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Users should review the applicable Safety Data Sheet before handling the product.

This product(s) may not be used in the manufacture of any of the following, without prior written approval by Seller for each specific product and application:

- (i) U.S. FDA Class I or II Medical Devices; Health Canada Class I, II or III Medical Devices; European Union Class I or II Medical Devices;
- (ii) film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned medical devices;
- (iii) packaging in direct contact with a pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration;
- (iv) tobacco related products and applications, electronic cigarettes and similar devices.
- (v) safety components in automotive applications, for example: air bags, air bag unit housings and covers, seat belt mechanisms, brake systems, pedals and pedal supports, steering systems.

The product(s) may not be used in:

- (i) U.S. FDA Class III Medical Devices; Health Canada Class IV Medical Devices; European Class III Medical Devices;
- (ii) applications involving permanent implantation into the body;
- (iii) life-sustaining medical applications.

All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification.

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