Technical Data Sheet

Moplen 2000HEXP

Polypropylene, Impact Copolymer

Product Description

Moplen 2000HEXP is a medium fluidity heterophasic copolymer grade for injection moulding applications.
It exhibits an excellent impact performance, particularly at low temperature, combined with a good processability.
Moplen 2000HEXP can be used in luggage, closures and it is an ideal bulding block for technical compounding. It offers a good solution for interior and exterior parts in Automotive compounds.
It is not intended for medical and pharmaceutical applications.
The grade is available in natural, pellet form.

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	Automotive Parts; Luggage
Market	Compounding; Rigid Packaging
Processing Method	Compounding; Injection Molding
Attribute	Block Copolymer; CAE data available: See "Notes"; 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/cm³	ISO 1183-1
Mechanical			
Flexural Modulus	1000	MPa	ISO 178
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/m²	ISO 179
(0 °C)	10	kJ/m²	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	8	kJ/m²	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

Manufacturer website: https://www.lyondellbasell.com/en/

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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