Technical Data Sheet

Moplen HP500N B

Polypropylene, Homopolymer

Product Description

Moplen HP500N B is a homopolymer used for general purpose injection moulding applications. It exhibits good flow and stiffness. *Moplen* HP500N B is suitable for food contact.

Regulatory Status

For regulatory compliance information, see *Moplen* HP500N B Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Asia-Pacific
Application	Furniture; Housewares
Market	Compounding; Consumer Products; Rigid Packaging
Processing Method	Compounding; Injection Molding
Attribute	Medium Flow; Medium Stiffness

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	12	g/10 min	ISO 1133-1
Density	0.90	g/cm³	ISO 1183-1
Mechanical			
Tensile Modulus	1550	MPa	ISO 527-1, -2
Tensile Stress at Yield	34	MPa	ISO 527-1, -2
Tensile Strain at Yield	10	%	ISO 527-1, -2
Impact			
Notched Izod Impact Strength, (23 °C)	4	kJ/m²	ISO 180/1A
Thermal			
Vicat Softening Temperature, (A/50)	153	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	100	°C	ISO 75B-1, -2

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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