Technical Data Sheet

Moplen HP500N

Polypropylene, Homopolymer

Product Description

Moplen HP500N is a homopolymer used for general purpose injection moulding applications. It exhibits good flow and stiffness. *Moplen* HP500N is suitable for food contact.
Moplen HP500N is UL listed under file E31765

Regulatory Status

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

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Europe
Application	Furniture; Housewares
Market	Compounding; Consumer Products; Rigid Packaging
Processing Method	Compounding; Injection Blow 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	ASTM D1238
Density	0.90	g/cm³	ASTM D792
Mechanical			
Flexural Modulus	1480	MPa	ASTM D790
Tensile Strength at Yield	34	MPa	ASTM D638
Tensile Elongation at Yield	10	%	ASTM D638
Impact			
Notched Izod Impact Strength, (23 °C)	25	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load, (0.46 N/mm²)	97	°C	ASTM D648

Manufacturer website: https://www.hmcpolymers.com/

Notes

ASTM properties above are typical values of LYB products from Asia.

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

Company Information

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

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