

# Moplen HP501L

Polypropylene Homopolymer

LyondellBasell Industries

## Message:

Moplen HP501L is a homopolymer for injection moulding which exhibits a good stiffness/impact balance at ambient temperature.

The main applications of Moplen HP501L are caps & closures, housewares and furniture.

For regulatory information please refer to Moplen HP501L Product Stewardship Bulletin ( PSB )

General Information			
Features	Good Impact Resistance Good Stiffness Homopolymer		
Uses	Caps Closures Furniture Household Goods		
Forms	Pellets		
Processing Method	Extrusion Injection Molding Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	74.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1500	MPa	ISO 527-2
Tensile Stress (Yield)	34.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	9.0	%	
Break	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.5	kJ/m <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	85.0	°C	ISO 75-2/B
Vicat Softening Temperature			

--	154	°C	ISO 306/A50
--	90.0	°C	ISO 306/B50

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