

Moplen HP501H

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Moplen HP501H is a homopolymer for injection moulding which exhibits a good stiffness/impact balance at ambient temperatures.

The main applications of Moplen HP501H are caps, closures and furniture.

For regulatory information please refer to Moplen HP501H Product Stewardship Bulletin (PSB)

General Information	
UL YellowCard	E31765-101044046
Features	General Purpose
	Good Impact Resistance
	Good Stiffness
	Homopolymer
Uses	Caps
	Closures
	Furniture
	General Purpose
Forms	Pellets
Processing Method	Extrusion
	Injection Molding
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.1	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	72.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1450	MPa	ISO 527-2
Tensile Stress (Yield)	33.0	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)	5.0	kJ/m ²	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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