

Moplen HP500N

Polypropylene Homopolymer

LyondellBasell Industries

Message:

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.

General Information			
UL YellowCard	E31765-101212716		
Features	Food Contact Acceptable		
	General Purpose		
	Good Flow		
	Good Stiffness		
	Homopolymer		
Uses	General Purpose		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	16.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1550	MPa	ISO 527-2
Tensile Stress (Yield)	35.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	10	%	
Break	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179
0°C	30	kJ/m ²	
23°C	110	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	95.0	°C	ISO 75-2/B
Vicat Softening Temperature			
--	153	°C	ISO 306/A50
--	85.0	°C	ISO 306/B50

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