

# Moplen HP500W

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Moplen HP500W is a polypropylene homopolymer.  
Moplen HP500W is suitable for injection moulding applications and can also be used in technical compounds as a flow modifier.  
It has a very high melt flow rate, a narrow molecular weight distribution and it is supplied in pelletized form.  
For regulatory information please refer to Moplen HP500W Product Stewardship Bulletin (PSB).  
Moplen HP500W is not intended for medical and pharmaceutical applications.

General Information			
Features	High Flow		
	Homopolymer		
	Low Viscosity		
	Narrow Molecular Weight Distribution		
Uses	Automotive Applications		
	Containers		
	Food Containers		
	Plastics Modification		
	Thin-walled Containers		
Forms	Pellets		
Processing Method	Injection Molding		
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)	150	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant	1550	MPa	ISO 527-2
Tensile Stress			
Yield	34.8	MPa	ISO 527-2/50
Break	32.7	MPa	ISO 527-2
Tensile Strain			
Yield	8.2	%	ISO 527-2/50
Break	15	%	ISO 527-2
Flexural Modulus	1580	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	13	kJ/m <sup>2</sup>	
0°C	19	kJ/m <sup>2</sup>	
23°C	65	kJ/m <sup>2</sup>	

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	153	°C	ISO 306/A50

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