

LyondellBasell® HP500N

Moplen HP500N is a homopolymer used for general purpose injection molding applications. It exhibits good flow and stiffness. Moplen HP500N is suitable for food contact. Applications: Furniture, House wares
 Information provided by LyondellBasell.

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792

Melt Flow	12 g/10 min @Load 2.16 kg, Temperature 230 °C	12 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238
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Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	34.0 MPa	4930 psi	ASTM D638

Elongation at Yield	10 %	10 %	ASTM D638
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Flexural Modulus	1.48 GPa	215 ksi	ASTM D790
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Izod Impact, Notched	0.250 J/cm @Temperature 23.0 °C	0.468 ft-lb/in @Temperature 73.4 °F	ASTM D256
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Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	97.0 °C	207 °F	ASTM D648

Descriptive Properties			
Processing Method	Compounding, injection blow molding		