

LyondellBasell® HP400M

Moplen HP400M is a general purpose polypropylene homopolymer resin, with good processability, and low odor transfer. Typical customer applications are closures, house wares, toys, and containers. Applications: Caps & Closures, House wares, Opaque Containers, Sports, Leisure & Toys.
Information provided by LyondellBasell.

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

Melt Flow	7.5 g/10 min @Load 2.16 kg, Temperature 230 °C	7.5 g/10 min @Load 4.76 lb, Temperature 446 °F	
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Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	34.0 MPa	4930 psi	

Elongation at Yield	10 %	10 %	
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Flexural Modulus	1.45 GPa	210 ksi	
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Izod Impact, Notched	0.270 J/cm @Temperature 23.0 °C	0.506 ft-lb/in @Temperature 73.4 °F	
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Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	96.0 °C	205 °F	