

LyondellBasell® HP602N

Moplen HP602N is a polypropylene homopolymer manufactured using the Spheripol process. It is known for its optimized balance of stiffness and toughness, and is particularly suitable for injection molding. Potential end use applications include house wares, toys, closures and other packaging items. 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	ASTM D1505

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
Hardness, Rockwell R	104	104	ASTM D785

Tensile Strength, Yield	34.3 MPa	4980 psi	ASTM D638
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Elongation at Yield	12 %	12 %	ASTM D638
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Flexural Modulus	1.57 GPa	228 ksi	ASTM D790
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Izod Impact, Notched	0.294 J/cm	0.551 ft-lb/in	ASTM D256
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Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	107 °C	225 °F	ASTM D648

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Descriptive Properties

Processing Method	Injection Molding
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