

Technical Data Sheet

Moplen HP400L

Polypropylene, Homopolymer



Product Description

LyondellBasell Australia's polypropylene grade *Moplen* HP400L is a moderate flow homopolymer with a conventional molecular weight distribution and is formulated with a general-purpose additive package. *Moplen* HP400L is designed for injection moulding applications. End use products typically made from *Moplen* HP400L include containers, closures and lids.

Regulatory Status

For regulatory compliance information, see *Moplen* HP400L [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Asia-Pacific; Australia and New Zealand
Application	Caps & Closures; Containers; Housewares
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	Contact Clarity; General Purpose; Good Stiffness; Homopolymer; Medium Flow

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	6	g/10 min	ISO 1133-1
Density, (23 °C, Method D)	0.90	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	1500	MPa	ISO 178
Tensile Stress at Yield	32	MPa	ISO 527-1, -2
Impact			
Notched Izod Impact Strength, (23 °C)	3.5	kJ/m ²	ISO 180/1A
Hardness			
Shore Hardness, (Shore D)	74		ISO 868
Thermal			
Vicat Softening Temperature	154	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	82	°C	ISO 75B-1, -2

Notes

These are typical property values not to be construed as specification limits.