

Technical Data Sheet

Moplen HP301R

Polypropylene, Homopolymer



Product Description

LyondellBasell Australia's polypropylene grade *Moplen* HP301R is a high flow homopolymer with a modified molecular weight distribution and is formulated with a general-purpose additive package. *Moplen* HP301R is primarily intended to be used for injection moulding applications.

Regulatory Status

For regulatory compliance information, see *Moplen* HP301R [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Asia-Pacific; Australia and New Zealand
Application	Caps & Closures; TWIM Food Containers
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	Controlled Rheology; Fast Cycle (Production); High Flow

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	22	g/10 min	ISO 1133-1
Density, (23 °C, Method D)	0.90	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	1300	MPa	ISO 178
Tensile Stress at Yield	32	MPa	ISO 527-1, -2
Impact			
Notched Izod Impact Strength, (23 °C)	2.5	kJ/m ²	ISO 180/1A
Hardness			
Shore Hardness, (Shore D)	74		ISO 868
Thermal			
Vicat Softening Temperature	153	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	75	°C	ISO 75B-1, -2

Notes

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