

## Technical Data Sheet

### *Moplen* HP422M



Polypropylene, Homopolymer

#### Product Description

LyondellBasell Australia's polypropylene grade *Moplen* HP422M is a moderate flow polypropylene formulated with a general purpose additive package. *Moplen* HP422M is designed for the production of biaxially orientated polypropylene film on tubular double bubble lines and for cast film applications. *Moplen* HP422M is also suitable for injection moulding applications.

<b>Status</b>	Commercial: Active
<b>Availability</b>	Asia-Pacific; Australia and New Zealand
<b>Application</b>	Food Packaging Film; Lamination Film
<b>Market</b>	Consumer Products; Flexible Packaging
<b>Processing Method</b>	BOPP; Cast Film; Injection Molding
<b>Attribute</b>	Homopolymer; Medium Flow

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	7	g/10 min	ISO 1133-1
Density, (23 °C, Method D)	0.90	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Flexural Modulus	1400	MPa	ISO 178
Tensile Stress at Yield	31	MPa	ISO 527-1, -2
<b>Impact</b>			
Notched Izod Impact Strength, (23 °C)	3.5	kJ/m <sup>2</sup>	ISO 180/1A
<b>Hardness</b>			
Shore Hardness, (Shore D)	75		ISO 868
<b>Thermal</b>			
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.