

# Moplen HP742U

Polypropylene Homopolymer

LyondellBasell Industries

## Message:

LyondellBasell Australia's HP742U is a very high flow homopolymer with a modified molecular weight. HP742U has been formulated for use in thin walled packaging containers where rapid cycle times are required together with consistent performance, low organoleptic properties (odour and taint) and a balanced level of mechanical properties.

For regulatory compliance information, see Moplen HP742U Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

General Information			
Additive	Nucleating agent		
Features	Nucleated		
	Homopolymer		
	Fast molding cycle		
	Good formability		
	Good sensory characteristics		
Uses	High liquidity		
	Packaging		
	Thin wall packaging		
	Thin wall container		
	Food container		
Processing Method	Hard packaging		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	90	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	76		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	38.0	MPa	ISO 527-2
Flexural Modulus	1850	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	2.2	kJ/m <sup>2</sup>	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	102	°C	ISO 75-2/B
Vicat Softening Temperature	150	°C	ISO 306/A

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