

Moplen HP743V

Polypropylene Homopolymer

LyondellBasell Industries

Message:

LyondellBasell Australia's HP743V is a ultra high flow homopolymer with a modified molecular weight. HP743V 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 HP743V 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		
	High liquidity		
Uses	Packaging		
	Thin wall packaging		
	Thin wall container		
	Composite		
	Container		
	Food container		
Processing Method	Composite		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183/D
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	120	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	75		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)	2.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	105	°C	ISO 75-2/B

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