

Moplen HP521J

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Basell Australia's Polypropylene grade HP521J is a medium flow homopolymer with a conventional molecular weight distribution and is specially formulated for metallised film production. HP521J is designed for the production of biaxially oriented metallised films (BOPP) for high quality packaging and laminates. HP521J gives reliable and consistent processing on BOPP tenter lines, providing films with a good balance of properties.

General Information			
Features	Food Contact Acceptable		
	Homopolymer		
	Medium Flow		
Uses	Bi-axially Oriented Film		
Agency Ratings	AS 2070-1999		
	FDA 21 CFR 177.1520(a) 1		
	FDA 21 CFR 177.1520(c) 1.1		
Forms	Pellets		
Processing Method	Film Extrusion		
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)	3.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	73		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	33.0	MPa	ISO 527-2
Flexural Modulus	1400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	4.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	82.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	51.0	°C	ISO 75-2/A
Vicat Softening Temperature	155	°C	ISO 306/A

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