

# Moplen HP520J

Polypropylene Homopolymer

LyondellBasell Industries

## Message:

Basell Australia's Polypropylene grade HP520J is a medium flow homopolymer with a conventional molecular weight distribution and is formulated with a general-purpose additive package. HP520J is designed for the production of biaxially oriented films (BOPP) for high quality packaging and laminates. HP520J gives reliable and consistent processing on BOPP stenter lines, providing films having high transparency and gloss, with a good balance of film properties.

General Information			
Features	Food Contact Acceptable		
	General Purpose		
	High Gloss		
	Homopolymer		
	Medium Flow		
Uses	Bi-axially Oriented Film		
	Laminates		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520(a) 1		
	FDA 21 CFR 177.1520(c) 1.1		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	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	1500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	4.0	kJ/m <sup>2</sup>	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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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519  
Phone: +86 13424755533  
Email: sales@su-jiao.com  
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

