



## Moplen HP520J

### Polypropylene, Homopolymer

#### Product Description

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.

#### Product Characteristics

<b>Status</b>	Commercial: Active
<b>Test Method used</b>	ISO
<b>Availability</b>	Asia-Pacific, Australia/NZ
<b>Features</b>	Medium Flow, General Purpose, Homopolymer

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density (Method D)	ISO 1183	0.90	g/cm <sup>3</sup>
Melt flow rate (MFR) (230°C/2.16kg)	ISO 1133	3.0	g/10 min
<b>Mechanical</b>			
Tensile Stress at Yield	ISO 527-1, -2	33.0	MPa
Flexural modulus	ISO 178	1500	MPa
<b>Impact</b>			
Notched izod impact strength (23 °C, Type 1, Notch A)	ISO 180	4.0	kJ/m <sup>2</sup>
<b>Hardness</b>			
Shore hardness (Shore D)	ISO 868	73	
<b>Thermal</b>			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	82	°C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	51	°C
Vicat softening temperature (Method A)	ISO 306	155	°C

#### Additional Properties

Suitable for the production of articles for food contact use. As supplied in natural form, meets the requirements of Australian Standard 2070 - 1999, "Plastics Materials for Food Contact Use". The base polymer complies with the United States of America Food and Drug Administration (FDA) Code of Federal Regulations 21 CFR177.1520 (a)(1) and (c)1.1. All other components used in the formulation meet the relevant FDA requirements for use in food contact applications. Conformity with these requirements should not be assumed for other variants and should be investigated with the appropriate supply source.

#### Notes

Typical properties; not to be construed as specifications.