



## Moplen HP325M

### Polypropylene, Homopolymer

#### Product Description

Basell Australia's Polypropylene grade HP325M is a medium flow polypropylene homopolymer with a modified molecular weight distribution and is formulated with slip and anti-block package. HP325M is designed for the production of cast films. Typically films made from HP325M include high quality cast films for packaging food and other items.

#### 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, Homopolymer
<b>Typical Customer Applications</b>	Cast Film

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	8.0	g/10 min
<b>Mechanical</b>			
Tensile Stress at Yield	ISO 527-1, -2	31.0	MPa
Flexural modulus	ISO 178	1250	MPa
<b>Impact</b>			
Notched izod impact strength (23 °C, Type 1, Notch A)	ISO 180	2.5	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	75	°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.