



Moplen HP521J

Polypropylene, Homopolymer

Product Description

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.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Asia-Pacific, Australia/NZ
Features	Medium Flow, Homopolymer
Typical Customer Applications	BOPP

Typical Properties	Method	Value Unit
Physical		
Density (Method D)	ISO 1183	0.90 g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	3.0 g/10 min
Mechanical		
Tensile Stress at Yield	ISO 527-1, -2	33.0 MPa
Flexural modulus	ISO 178	1400 MPa
Impact		
Notched izod impact strength (23 °C, Type 1, Notch A)	ISO 180	4.0 kJ/m ²
Hardness		
Shore hardness (Shore D)	ISO 868	73
Thermal		
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.

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- ┆ Equistar Chemicals, LP
- ┆ Basell Sales & Marketing Company B.V.
- ┆ Basell Asia Pacific Limited
- ┆ Basell International Trading FZE
- ┆ LyondellBasell Australia Pty Ltd

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applications; and lead, asbestos or MTBE related applications. All references to the U.S. FDA, Health Canada and European Union regulations include another country's equivalent regulatory classification.

Users should review the applicable Material Safety Data Sheet before handling the product.

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