

Technical Data

Product Description

LyondellBasell Australia's Polypropylene grade HP550J is a medium flow homopolymer with a conventional molecular weight distribution and is formulated with a general-purpose additive package. HP550J is designed for the production of films that can be converted into stretched tapes for weaving applications.

General

Material Status	• Commercial: Active
Literature ¹	• Processing - Extrusion (English) • Processing - Injection Molding (English) • Processing - Mold Shrink (English) • Technical Datasheet (English)
UL Yellow Card ²	• E151840-223803
Search for UL Yellow Card	• LyondellBasell Industries • Moplen
Availability	• Asia Pacific
Additive	• Unspecified Additive
Features	• Food Contact Acceptable • Homopolymer • Medium Flow
Uses	• Film • Strapping • Tape
Agency Ratings	• AS 2070-1999 • FDA 21 CFR 177.1520(a) 1 • FDA 21 CFR 177.1520(c) 1.1

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
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
Hardness	Nominal Value Unit	Test Method
Shore Hardness (Shore D)	73	ISO 868
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/A50

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL IDES continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.

³ Typical properties: these are not to be construed as specifications.

Where to Buy

Supplier

LyondellBasell Industries
Wilmington, DE USA
Telephone: 713-309-7200
Web: <http://polymers.lyondellbasell.com/portal/site/basell/>

Distributor

Please contact the supplier to find a distributor for Moplen HP550J



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