

Moplen HP550J

Polypropylene Homopolymer

LyondellBasell Industries

Message:

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 Information	
UL YellowCard	E151840-223803
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
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 ²	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/A50

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