

Moplen HP550J

Polypropylene Homopolymer

LyondellBasell Industries

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

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/cm³	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/m²	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