

# Moplen HP622J

Polypropylene Homopolymer

LyondellBasell Industries

## Message:

Moplen HP622J is a polypropylene homopolymer manufactured using the Spheripol process. It is a BOPP core layer resin designed for use in high speed tender process and particularly suitable for Metallisable BOPP film production. It has wide processing window and excellent processability and stretchability. Typical applications include general purpose BOPP films, Metallisable BOPP films and cigarette film.

General Information			
Features	Good Processability		
	Good Stretchability		
	High Stiffness		
	Homopolymer		
Uses	Bi-axially Oriented Film		
	Film		
	Food Packaging		
	Laminates		
Forms	Pellets		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	36.3	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1570	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	39	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	106	°C	ASTM D648
Vicat Softening Temperature	146	°C	ASTM D1525

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