

Moplen HP493M

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Moplen HP493M is a high flow polypropylene homopolymer designed for the production of biaxially oriented polypropylene films (BOPP) on tubular double bubble lines and cast film. Typical applications are BOPP metallized film.
For regulatory information please refer to Moplen HP493M Product Stewardship Bulletin (PSB).

General Information	
Features	High Flow
	Homopolymer
	Metallizable
Uses	Bi-axially Oriented Film
	Cast Film
	Film
	Food Packaging
	Laminates
	Packaging
	Shrink Wrap
Processing Method	Blown Film
	Cast Film

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	70		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1450	MPa	ISO 527-2/1
Tensile Stress (Yield)	35.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	10	%	ISO 527-2/50
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	85.0	°C	ISO 75-2/B
Vicat Softening Temperature	152	°C	ISO 306/A50

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