

Moplen HP422M

Polypropylene Homopolymer

LyondellBasell Industries

Message:

LyondellBasell Australia's polypropylene grade Moplen HP422M is a moderate flow polypropylene formulated with a general purpose additive package. HP422M is designed for the production of biaxially orientated polypropylene film on tubular double bubble lines and for cast film applications. HP422M is also suitable for injection moulding applications.

General Information	
Additive	Unspecified Additive
Features	Homopolymer
	Medium Flow
Uses	Bi-axially Oriented Film
	Cast Film
	Film
	Food Packaging
	Laminates
Processing Method	Bi-axially Oriented Film
	Cast Film
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.5	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	75		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	31.0	MPa	ISO 527-2
Flexural Modulus	1400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	3.2	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	53.0	°C	ISO 75-2/A
Vicat Softening Temperature	154	°C	ISO 306/A

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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