

Moplen HP400L

Polypropylene Homopolymer

LyondellBasell Industries

Message:

LyondellBasell Australias polypropylene grade HP400L is a moderate flow homopolymer with a conventional molecular weight distribution and is formulated with a general-purpose additive package. HP400L is designed for injection moulding applications. End use products typically made from HP400L include containers, closures and lids.

General Information			
UL YellowCard	E151840-100033677		
Features	Contact Clarity		
	Food Contact Acceptable		
	General Purpose		
	Good Stiffness		
	Homopolymer		
	Medium Flow		
Uses	Caps		
	Closures		
	Containers		
	Lids		
Agency Ratings	AS 2070-1999		
	FDA 21 CFR 177.1520(a) 1		
	FDA 21 CFR 177.1520(c) 1.1		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
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)	5.5	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)	32.0	MPa	ISO 527-2
Flexural Modulus	1400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	3.0	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/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

