

# Moplen HP301R

Polypropylene Homopolymer

LyondellBasell Industries

## Message:

LyondellBasell Australias polypropylene HP301R is a high flow homopolymer with a modified molecular weight distribution and is formulated with a general-purpose additive package. HP301R is primarily intended to be used for fast cycle injection moulding where good flow and low warpage is important. Typical applications include closures, items having flat surfaces prone to warping, and homopolymer applications requiring good toughness.

General Information			
UL YellowCard	E151840-223800		
Features	Controlled Rheology		
	Fast Molding Cycle		
	Food Contact Acceptable		
	High Flow		
	Homopolymer		
Agency Ratings	AS 2070-1999		
	FDA 21 CFR 177.1520(a) 1		
	FDA 21 CFR 177.1520(c) 1.1		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ISO 1183/D
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	22	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)	29.0	MPa	ISO 527-2
Flexural Modulus	1250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	2.0	kJ/m <sup>2</sup>	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	75.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	51.0	°C	ISO 75-2/A
Vicat Softening Temperature	155	°C	ISO 306/A

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

## 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



WECHAT