Moplen HP301R

Polypropylene, Homopolymer

Product Description

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.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Asia-Pacific, Australia/NZ
Features	Controlled Rheology, Fast Cycle (Production) , High Flow , Homopolymer

Typical Properties	Method	Value	Unit
Physical			
Density (Method D)	ISO 1183	0.90	g/cm³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	22	g/10 min
Mechanical			
Tensile Stress at Yield	ISO 527-1, -2	29.0	MPa
Flexural modulus	ISO 178	1250	MPa
Impact			
Notched izod impact strength (23 °C, Type 1, Notch A)	ISO 180	2.0	kJ/m²
Hardness			
Shore hardness (Shore D)	ISO 868	73	
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	75	°C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	51	°C
Vicat softening temperature (Method A)	ISO 306	155	°C

Additional Properties

Suitable for the production of articles for food contact use. As supplied in natural form, meets the requirements of Australian Standard 2070 - 1999, "Plastics Materials for Food Contact Use". The base polymer complies with the United States of America Food and Drug Administration (FDA) Code of Federal Regulations 21 CFR177.1520 (a)(1) and (c)1.1. All other components used in the formulation meet the relevant FDA requirements for use in food contact applications. Conformity with these requirements should not be assumed for other variants and should be investigated with the appropriate supply source.

Notes

Typical properties; not to be construed as specifications.

Notes

These are typical property values not to be construed as specification limits.