



Moplen EP301H

Polypropylene, Impact Copolymer

Product Description

LyondellBasell Australia's polypropylene grade EP301H is a low flow impact copolymer with a conventional molecular weight distribution and is formulated with a general-purpose additive package. EP301H is designed for extrusion applications requiring good melt strength and good impact strength at low part weight. End use products typically made from EP301H include extruded sheet, corrugated board and extruded profiles.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Asia-Pacific, Australia/NZ
Features	Impact Copolymer, Low Flow , Low Temperature Impact Resistance, Good Melt Strength
Typical Customer Applications	Panels & Profiles

Typical Properties	Method	Value Unit
Physical		
Density (Method D)	ISO 1183	0.90 g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	1.7 g/10 min
Mechanical		
Tensile Stress at Yield	ISO 527-1, -2	25.0 MPa
Flexural modulus	ISO 178	1150 MPa
Impact		
Notched izod impact strength	ISO 180	
(-20 °C, Type 1, Notch A)		4.0 kJ/m ²
(23 °C, Type 1, Notch A)		14 kJ/m ²
(0 °C, Type 1, Notch A)		6.5 kJ/m ²
Hardness		
Shore hardness (Shore D)	ISO 868	68
Thermal		
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	77 °C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	50 °C
Vicat softening temperature (Method A)	ISO 306	150 °C

Additional Properties

Falling Weight Impact Strength @ -40°C, BS2782-306b: 11 J

Notes

Typical properties; not to be construed as specifications.

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LyondellBasell markets this product through the following entities:

Equistar Chemicals, LP
 Basell Sales & Marketing Company B.V.
 Basell Asia Pacific Limited
 Basell International Trading FZE
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Users should review the applicable Material Safety Data Sheet before handling the product.

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