Moplen EP301G

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

LyondellBasell Australia's Polypropylene grade EP301G is a low flow impact copolymer with a conventional molecular weight distribution and is formulated with a general-purpose additive package. EP301G is designed for extrusion and blow-moulding applications requiring good melt strength and good impact strength at low part weight. End use products typically made from EP301G include blow-moulded articles, extruded sheet, corrugated board and extruded profiles.

General Information	
Features	Food Contact Acceptable Good Impact Resistance Good Melt Strength Impact Copolymer Low Flow
Uses	Blow Molding Applications Corrugated Sheet Profiles Reinforced Panels Sheet
Processing Method	Blow Molding Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ISO 1183/D
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.2	g/10 min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D)	68		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	25.0	MPa	ISO 527-2
Flexural Modulus	1150	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength			ISO 180/1A
-20°C	4.0	kJ/m²	
0°C	6.5	kJ/m²	
23°C	15	kJ/m²	
Falling Dart Impact (-40°C)	11.0	J	BS 2782 306B
Thermal	**Nominal Value**	**Unit**	**Test Method**

Heat Deflection Temperature			
0.45 MPa, Unannealed	77.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	50.0	°C	ISO 75-2/A
Vicat Softening Temperature	150	°C	ISO 306/A

Recommended distributors for this material

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