

Moplen EP201L

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

LyondellBasell Australia's Polypropylene grade EP201L is a medium flow impact copolymer with a conventional molecular weight distribution and is formulated with a general-purpose additive package. EP201L is designed for injection moulding applications requiring good mould filling properties, low warpage, and a good impact/rigidity balance. End use products typically made from EP201L include domestic appliances and industrial mouldings.

General Information			
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Moldability		
	Impact Copolymer		
	Low Warpage		
	Medium Flow		
	Medium Rigidity		
Uses	Appliances		
	Industrial Applications		
Agency Ratings	FDA 21 CFR 176.170(c), Table 2, Cond. C		
	FDA 21 CFR 176.170(c), Table 2, Cond. D		
	FDA 21 CFR 176.170(c), Table 2, Cond. E		
	FDA 21 CFR 176.170(c), Table 2, Cond. F		
	FDA 21 CFR 176.170(c), Table 2, Cond. G		
	FDA 21 CFR 176.170(c), Table 2, Cond. H		
	FDA 21 CFR 177.1520(a) 3 (i)		
	FDA 21 CFR 177.1520(c) 3.1a		
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)	6.4	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	66		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	23.0	MPa	ISO 527-2
Flexural Modulus	1050	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact Strength			ISO 180/1A
-20°C	3.0	kJ/m ²	
0°C	3.5	kJ/m ²	
23°C	6.0	kJ/m ²	
Falling Dart Impact (-40°C)	10.0	J	BS 2782 306B
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	70.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	50.0	°C	ISO 75-2/A
Vicat Softening Temperature	150	°C	ISO 306/A

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