Moplen EP201N

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

LyondellBasell Australias polypropylene grade EP201N is a medium/high flow impact copolymer with a modified molecular weight distribution and is formulated with a general-purpose additive package. EP201N is designed for injection moulding applications requiring excellent mould filling properties, low warpage, low stress levels, good surface properties, reduced cycle times and a good impact/rigidity balance. End use products typically made from EP201N include domestic appliances and industrial mouldings.

General Information			
Features	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Impact Resistance		
	Good Moldability		
	High Flow		
	Impact Copolymer		
	Low Warpage		
	Medium Rigidity		
Uses	Appliances		
	Industrial Applications		
Agency Ratings	AS 2070-1999		
	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/cm³	ISO 1183/D
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	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	1000	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	5.0	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

Recommended distributors for this material

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