Moplen EP341R

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

LyondellBasell Australias polypropylene grade EP341R is a high flow impact copolymer with a modified molecular weight distribution and is formulated with a general-purpose additive package. EP341R also contains nucleation additives. EP341R is designed for injection moulding applications requiring excellent mould filling properties, low warpage, and good impact strength at low part weight. End use products typically made from EP341R include medium to large industrial mouldings and consumer goods.

General Information			
Additive	Nucleating Agent		
Features	Food Contact Acceptable Good Impact Resistance Good Moldability High Flow Impact Copolymer Low Warpage Nucleated		
Uses	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/cm³	ISO 1183/D
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	24	g/10 min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D)	71		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	22.0	MPa	ISO 527-2
Flexural Modulus	1100	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**

Notched Izod Impact Strength			ISO 180/1A
-20°C	2.5	kJ/m²	
0°C	3.5	kJ/m²	
23°C	5.5	kJ/m²	
Falling Dart Impact (-40°C)	8.00	J	BS 2782 306B
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	75.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	50.0	°C	ISO 75-2/A
Vicat Softening Temperature	145	°C	ISO 306/A

Recommended distributors for this material

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