Moplen EP341S

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

LyondellBasell Australias polypropylene grade EP341S is a high flow impact copolymer with a modified molecular weight distribution and is formulated with a general-purpose additive package. EP341S also contains nucleation additives. EP341S 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 EP341S include thin walled freezer packaging ware and medium to large industrial mouldings.

General Information			
Additive	Nucleating agent		
Features	Nucleated Low warpage Impact copolymer Impact resistance, good Good formability High liquidity Compliance of Food Exposure		
Uses	Thin wall container Industrial application Food container		
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	Particle		
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)	35	g/10 min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer 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			ISO 180/1A
-20°C	2.0	kJ/m²	ISO 180/1A
0°C	3.0	kJ/m²	ISO 180/1A
23°C	4.0	kJ/m²	ISO 180/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, not annealed	75.0	°C	ISO 75-2/B
1.8 MPa, not annealed	50.0	°C	ISO 75-2/A
Vicat Softening Temperature	145	°C	ISO 306/A

Additional Information

Falling Weight Impact Strength @ -40°C, BS2782-306b, 8J

Recommended distributors for this material

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