



Moplen EP341S

Polypropylene, Impact Copolymer

Product Description

LyondellBasell Australia's 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.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Asia-Pacific, Australia/NZ
Features	Impact Copolymer, High Flow , Good Impact Resistance , Good Moldability , Nucleated
Typical Customer Applications	Other Industrial, TWIM Food Containers

Typical Properties	Method	Value Unit
Physical		
Density (Method D)	ISO 1183	0.90 g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	35 g/10 min
Mechanical		
Tensile Stress at Yield	ISO 527-1, -2	22.0 MPa
Flexural modulus	ISO 178	1100 MPa
Impact		
Notched izod impact strength	ISO 180	
(23 °C, Type 1, Notch A)		4.0 kJ/m ²
(-20 °C, Type 1, Notch A)		2.0 kJ/m ²
(0 °C, Type 1, Notch A)		3.0 kJ/m ²
Hardness		
Shore hardness (Shore D)	ISO 868	71
Thermal		
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	75 °C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	50 °C
Vicat softening temperature (Method A)	ISO 306	145 °C

Additional Properties

Falling Weight Impact Strength @ -40°C, BS2782-306b, 8J Suitable for the production of articles for food contact use. As supplied in natural form, meets the requirements of Australian Standard 2070 - 1999, "Plastics Materials for Food Contact Use". The base polymer complies with the United States of America Food and Drug Administration (FDA) Code of Federal Regulations 21 CFR177.1520 (a)(3)(i) and (c)3.1a for conditions of use C through to H in CFR 176.170(c), table 2. All other components used in the formulation meet the relevant FDA requirements for use in food contact applications. Conformity with these requirements should not be assumed for other variants and should be investigated with the appropriate supply source.

Notes

Typical properties; not to be construed as specifications.

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LyondellBasell markets this product through the following entities:

Equistar Chemicals, LP
 Basell Sales & Marketing Company B.V.
 Basell Asia Pacific Limited
 Basell International Trading FZE
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Users should review the applicable Material Safety Data Sheet before handling the product.

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