



Moplen EP540R

Polypropylene, Impact Copolymer

Product Description

LyondellBasell Australia's EP540R is a high flow impact copolymer and is formulated with a nucleant additive package. EP540R is designed for injection moulding applications requiring excellent mould filling properties, low warpage, good surface properties, reduced cycle times and a good impact/rigidity balance.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Asia-Pacific, Australia/NZ
Features	Impact Copolymer, High Flow , Good Impact Resistance , Good Stiffness

Typical Properties	Method	Value Unit
Physical		
Density (Method D)	ISO 1183	0.90 g/cm ³
Melt flow rate (MFR) (230 °C/ 2.16 kg)	ISO 1133	24 g/10 min
Mechanical		
Flexural modulus (Chord)	ISO 178	1450 MPa
Tensile stress at yield	ISO 527	25 MPa
Impact		
Notched izod impact strength	ISO 180	
(- 20 °C, Type 1, Notch A)		2.5 kJ/m ²
(0 °C, Type 1, Notch A)		3.0 kJ/m ²
(+23 °C, Type 1, Notch A)		4.0 kJ/m ²
Hardness		
Shore hardness (Shore D (1 sec))	ISO 868	75
Thermal		
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	90 °C
Vicat softening temperature A/50	ISO 306	150 °C

Notes

Typical properties; not to be construed as specifications.

Further Information

For safety or regulatory compliance information refer to the relevant MSDS or RAPIDS.

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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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Release Date: 14 Feb 2012

