

**Moplen EP300U**



Polypropylene, Impact Copolymer

**Product Description**

Moplen EP300U is a very high flow heterophasic copolymer used for injection molding. Moplen EP300U features an excellent balance between easy processing and good impact strength. The main applications of Moplen EP300U are thin-walled injection moulding applications and technical compounds.

**Regulatory Status**

For regulatory compliance information, see Moplen EP300U [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

<b>Status</b>	Commercial: Active
<b>Availability</b>	Africa-Middle East; Europe
<b>Application</b>	TWIM Food Containers; TWIM Non-food Containers
<b>Market</b>	Compounding; Consumer Products; Rigid Packaging
<b>Processing Method</b>	Compounding; Injection Molding
<b>Attribute</b>	High Flow; High Impact Resistance; Low Temperature Impact Resistance; Medium Stiffness

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	70	g/10 min	ISO 1133-1
Density	0.89	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Flexural Modulus	900	MPa	ISO 178
Tensile Modulus	1000	MPa	ISO 527-1, -2
Tensile Stress at Break	15.5	MPa	ISO 527-1, -2
Tensile Stress at Yield	23	MPa	ISO 527-1, -2
Tensile Strain at Break	70	%	ISO 527-1, -2
Tensile Strain at Yield	7	%	ISO 527-1, -2
<b>Impact</b>			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	7	kJ/m <sup>2</sup>	ISO 179
(0 °C)	4	kJ/m <sup>2</sup>	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	3	kJ/m <sup>2</sup>	ISO 179
<b>Thermal</b>			
Vicat Softening Temperature, (A50)	145	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	72	°C	ISO 75B-1, -2
DSC Melting Point	163	°C	DSC

## Notes

These are typical property values not to be construed as specification limits.

## Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

## Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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