Technical Data Sheet

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).

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

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	70	g/10 min	ISO 1133-1
Density	0.89	g/cm³	ISO 1183-1
Mechanical			
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
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	7	kJ/m²	ISO 179
(0 °C)	4	kJ/m²	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	3	kJ/m²	ISO 179
Thermal			
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

Manufacturer website: https://www.lyondellbasell.com/en/

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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