Technical Data Sheet

Moplen EP600V

Polypropylene, Impact Copolymer

Product Description

Moplen EP600V is an ultra high fluidity, heterophasic copolymer, suitable for thin walled injection moulding applications and as base resin for compounding applications. The product combines a good stiffness with good impact resistance, even at sub-zero temperatures. In addition a good dimensional stability is given. *Moplen* EP600V is used for items with long flow paths as well as for long glass fibre reinforced recipes (GMT/LFT). *Moplen* EP600V contains neither nucleation agents nor antistaticums or slip/antiblock agents.

Regulatory Status

For regulatory compliance information, see *Moplen* EP600V Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Africa-Middle East; Europe
Application	Containers; Housewares; Sports, Leisure & Toys; TWIM Food Containers
Market	Compounding; Consumer Products; Rigid Packaging
Processing Method	Compounding; Injection Molding
Attribute	Good Impact Resistance; Good Stiffness; High Flow; Impact Copolymer; Low Temperature Impact Resistance

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	100	g/10 min	ISO 1133-1
Density	0.90	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus	1250	MPa	ISO 178
Tensile Modulus	1300	MPa	ISO 527-1, -2
Tensile Stress at Yield	26	MPa	ISO 527-1, -2
Tensile Strain at Yield	5	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	4	kJ/m²	ISO 179
Thermal			
Vicat Softening Temperature, (A50)	152	°C	ISO 306
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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