

# Moplen EP600V

Polypropylene Impact Copolymer

LyondellBasell Industries

## Message:

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. For regulatory compliance information see Moplen EP600V Regulatory Affairs Product Stewardship Information/Certification Data Sheet (RAPIDS) It is not intended for medical and pharmaceutical applications.

General Information			
Features	Good Dimensional Stability		
	Good Impact Resistance		
	Good Stiffness		
	High Flow		
	Impact Copolymer		
	Low Temperature Impact Resistance		
	Low to No Odor		
Uses	Thin-walled Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	100	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	135	cm <sup>3</sup> /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	72		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	30.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	7.0	%	
Break	10	%	
Flexural Modulus - 1% Secant <sup>1</sup> (23°C)	1450	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	4.0	kJ/m <sup>2</sup>	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	152	°C	ISO 306/A50
Accelerated Oven Ageing <sup>2</sup> (150°C)	360	hr	ISO 4577
NOTE			

1.	1.3 mm/min
2.	Forced Circulation

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