

# Moplen EP332L

Polypropylene Impact Copolymer

LyondellBasell Industries

## Message:

Moplen EP332L is a heterophasic copolymer and is formulated with a highly effective heat stabilisation package. It exhibits a good fluidity combined with a good balance of impact and stiffness as well as a low warpage tendency.

Moplen EP332L is applied in injection moulding applications requiring a good resistance to long term heat exposure, in particular for battery cases and automotive components.

Moplen EP332L is suitable for food contact.

General Information			
Additive	Heat Stabilizer		
Features	Food Contact Acceptable		
	Good Heat Aging Resistance		
	Good Impact Resistance		
	Good Stiffness		
	Heat Stabilized		
	Impact Copolymer		
	Low Warpage		
	Medium Flow		
Uses	Automotive Applications		
	Battery Cases		
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)	7.0	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	9.50	cm <sup>3</sup> /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	53.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1200	MPa	ISO 527-2
Tensile Stress (Yield)	26.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	8.0	%	
Break	50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA

-20°C	3.5	kJ/m <sup>2</sup>	
0°C	4.5	kJ/m <sup>2</sup>	
23°C	7.5	kJ/m <sup>2</sup>	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	80	kJ/m <sup>2</sup>	
0°C	140	kJ/m <sup>2</sup>	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	70.0	°C	ISO 75-2/B
Vicat Softening Temperature			
--	148	°C	ISO 306/A50
--	67.0	°C	ISO 306/B50

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