Moplen EP340M

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

Moplen EP340M is a nucleated heterophasic copolymer, suitable for injection moulding applications.

It exhibits an excellent impact performance with good stiffness and processability.

Moplen EP340M is designed for applications where very high impact resistance is a critical requirement. Typical areas of use are housewares, luggage, transport and cold storage crates and consumer components subjected to low temperatures and impact. The resin is also ideal as a base material in technical compounding.

Additive Nucleating Agent Features Good Processability Good Stiffness High Impact Resistance Impact Copolymer Nucleated Uses Compounding Crates Household Goods Household Goods Luggage Sporting Goods Sporting Goods Torys Processing Method Processing Method Compounding Injection Molding Injection Molding Physical Nominal Value Unit Density 0.00 g/m in Met Volume-Flow Rate (MVR) (230°C/2.16 Kg) 7.5 g/10 min ISO 1133 Het Volume-Flow Rate (MVR) (230°C/2.16 Kg) 10.0 cm*/10min ISO 1133 Hardness Nominal Value Urit Test Method Ball Indentation Hardness (H 358/30) 46.0 MPa ISO 1133 Hardness Nominal Value Urit Test Method Ball Indentation Hardness (H 358/30) 46.0 MPa ISO 2039-1 Herbanical Nominal Value Urit Test Method Ball Indentation Hardness (H 358/30) 46.0 MPa </th <th>General Information</th> <th></th> <th></th> <th></th>	General Information			
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	Tensile Stress (Yield)	21.0	MPa	ISO 527-2
Yield 6.0 %	Tensile Strain			ISO 527-2
	Yield	6.0	%	

Break	50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	7.0	kJ/m²	
0°C	9.0	kJ/m²	
23°C	45	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	No Break		
0°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa,			
Unannealed)	80.0	°C	ISO 75-2/B
Ductile / Brittle Transition Temperature	-55.0	°C	ISO 6603-2
Vicat Softening Temperature			
	144	°C	ISO 306/A50
	58.0	°C	ISO 306/B50

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