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.

General Information	
Additive	Nucleating Agent
Features	Good Processability Good Stiffness High Impact Resistance Impact Copolymer Nucleated
Uses	Compounding Crates Household Goods Luggage Sporting Goods Toys
Forms	Pellets
Processing Method	Compounding Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.5	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	10.0	cm³/10min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Ball Indentation Hardness (H 358/30)	46.0	MPa	ISO 2039-1
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1150	MPa	ISO 527-2
Tensile Stress (Yield)	21.0	MPa	ISO 527-2
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/m^2	
0°C	9.0	kJ/m^2	
23°C	45	kJ/m^2	
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

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China