Moplen EP340S

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

Moplen EP340S is a high fluidity, nucleated heterophasic copolymer used for injection moulding applications.
It offers outstanding processability, productivity and dimensional stability in combination with good impact behavior at low temperature.
Moplen EP340S is extensively used in large items with impact requirements such as boxes, crates, pails, large household articles and some smaller items such as thin-walled containers, caps and flower pots.

General Information			
Additive	Nucleating Agent		
Features	Good Dimensional Stability Good Processability High Flow Impact Copolymer Low Temperature Impact Resistance Nucleated		
Uses	Caps Crates Household Goods Pails Thin-walled Containers		
Forms	Pellets		
Processing Method	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)	42	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	57.0	cm³/10min	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	1250	MPa	ISO 527-2
Tensile Stress (Yield)	24.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	5.0	%	
Break	> 50	%	
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA

-20°C	4.0	kJ/m²	
0°C	4.5	kJ/m²	
23°C	7.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	120	kJ/m²	
0°C	150	kJ/m²	
23°C	No Break		

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	90.0	°C	ISO 75-2/B
Ductile / Brittle Transition Temperature	-54.0	°C	ISO 6603-2
Vicat Softening Temperature			
--	147	°C	ISO 306/A50
--	67.0	°C	ISO 306/B50

Optical	Nominal Value	Test Method
Gloss (60°)	70	ASTM D2457

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