

Moplen EP1006

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

Moplen EP1006 is a heterophasic copolymer, suitable for injection moulding, with an additivation for a long term heat resistance.

It exhibits a high impact also at low temperature, combined with high stiffness and low stress withening.

Moplen EP1006 can be used in injection moulding for applications requiring a good resistance to temperature degradation, in particular for battery cases and automotive components.

Moplen EP1006 is suitable for food contact. It is not intended for medical and pharmacuetical applications.

General Information			
Additive	Heat Stabilizer		
Features	Food Contact Acceptable		
	Good Heat Aging Resistance		
	Good Impact Resistance		
	Good Stiffness		
	Heat Stabilized		
	Impact Copolymer		
	Low Temperature Impact Resistance		
	Low Warpage		
Uses	Medium Flow		
	Automotive Applications		
Forms	Battery Cases		
	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	2.70	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1500	MPa	ISO 527-2
Tensile Stress (Yield)	27.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	6.1	%	
Break	21	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	5.7	kJ/m ²	

23°C	24	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	88.0	°C	ISO 75-2/B
Vicat Softening Temperature			
--	149	°C	ISO 306/A50
--	76.0	°C	ISO 306/B50

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

