

Moplen EP240P

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

Moplen EP240P is a nucleated heterophasic copolymer for injection moulding.
Moplen EP240P has a good flowability and excellent low temperature impact properties.
The main applications of Moplen EP240P are thin walled packaging like ice cream containers, cylindrical containers and housewares.
Moplen EP240P is suitable for food contact. It is not intended for medical and pharmaceutical applications.

General Information			
Features	Food Contact Acceptable		
	Good Flow		
	Impact Copolymer		
	Low Temperature Impact Resistance		
Uses	Containers		
	Crates		
	Household Goods		
	Thin-walled Packaging		
Forms	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)	15	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	20.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 132/30)	45.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1000	MPa	ISO 527-2
Tensile Stress (Yield)	20.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	7.0	%	
Break	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	5.0	kJ/m ²	
0°C	6.0	kJ/m ²	
23°C	13	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU

-20°C	190	kJ/m ²	
0°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	78.0	°C	ISO 75-2/B
Ductile / Brittle Transition Temperature	-53.0	°C	ISO 6603-2
Vicat Softening Temperature			
--	142	°C	ISO 306/A50
--	56.0	°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

