HK:+852-69575415 China GuangDong:+13538586433 ShangHai:+18816996168

lyondellbasell

Moplen EP240H

Polypropylene, Impact Copolymer

Product Description

Moplen EP240H is a nucleated heterophasic copolymer, suitable for injection moulding as well as for thermoforming applications.
It exhibits excellent low temperature impact behavior combined with a good processability.
Moplen EP240H is typically used for crates in addition to thermoformed margarine tubs.

Moplen EP240H is suitable for food contact.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Africa-Middle East
Processing Methods	Extrusion Thermoforming, Injection Molding
Features	Impact Copolymer, Low Temperature Impact Resistance, Nucleated, Good Processability
Typical Customer Applications	Crates, Opaque Containers

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.9	g/cm³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	2.0	g/10 min
Melt volume flow rate (230°C/2.16Kg)	ISO 1133	2.7	cm³/10min
Mechanical			
Tensile Modulus	ISO 527-1, -2	1100	MPa
Tensile Stress at Yield	ISO 527-1, -2	23	MPa
Tensile Strain at Break	ISO 527-1, -2	> 50	%
Tensile Strain at Yield	ISO 527-1, -2	8	%
Impact			
Charpy unnotched impact strength	ISO 179		
(23 °C, Type 1, Edgewise)		No Break	kJ/m²
(0 °C, Type 1, Edgewise)		No Break	kJ/m²
(-20 °C, Type 1, Edgewise)		No Break	kJ/m²
Charpy notched impact strength	ISO 179		
(23 °C, Type 1, Edgewise, Notch A)		60	kJ/m²
(0 °C, Type 1, Edgewise, Notch A)		12	kJ/m²
(-20 °C, Type 1, Edgewise, Notch A)		8	kJ/m²
Ductile/Brittle transition temperature	ISO 6603-2	-47	°C
Hardness			
Ball indentation hardness (H 358/30)	ISO 2039-1	44	MPa
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	80	°C
Vicat softening temperature	ISO 306		
(B50 (50°C/h 50N))		60	°C
(A50 (50°C/h 10N))		148	°C

Additional Properties

Gloss at 60°, DIN 67530: 73%

Notes

Typical properties; not to be construed as specifications.