



Moplen EP240T

Polypropylene, Impact Copolymer

Product Description

Moplen EP240T is a nucleated heterophasic copolymer for injection moulding.
Moplen EP240T has a very high flowability combined with a good impact/stiffness balance.
The main applications of Moplen EP240T are thin walled packaging, housewares and housings.
Moplen EP240T is suitable for food contact. It is not intended for medical and pharmaceutical applications.
Moplen EP240T is UL listed under file E31765

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Africa-Middle East
Processing Methods	Injection Molding
Features	Impact Copolymer, Good Flow, Good Impact Resistance, Nucleated, Good Stiffness
Typical Customer Applications	Housewares, Opaque Containers

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.900	g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	48	g/10 min
Melt volume flow rate (230°C/2.16Kg)	ISO 1133	65	cm ³ /10min
Mechanical			
Tensile Modulus	ISO 527-1, -2	950	MPa
Tensile Stress at Yield	ISO 527-1, -2	19	MPa
Tensile Strain at Break	ISO 527-1, -2	> 50	%
Tensile Strain at Yield	ISO 527-1, -2	5	%
Impact			
Charpy unnotched impact strength	ISO 179		
(23 °C, Type 1, Edgewise)		No Break	kJ/m ²
(0 °C, Type 1, Edgewise)		170	kJ/m ²
(-20 °C, Type 1, Edgewise)		150	kJ/m ²
Charpy notched impact strength	ISO 179		
(23 °C, Type 1, Edgewise, Notch A)		8	kJ/m ²
(0 °C, Type 1, Edgewise, Notch A)		5	kJ/m ²
(-20 °C, Type 1, Edgewise, Notch A)		4	kJ/m ²
Hardness			
Ball indentation hardness (H 132/30)	ISO 2039-1	44	MPa
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	78	°C
Vicat softening temperature	ISO 306		
(A50 (50°C/h 10N))		142	°C
(B50 (50°C/h 50N))		56	°C