



Moplen EP448T

Polypropylene, Impact Copolymer

Product Description

Moplen EP448T is a nucleated heterophasic copolymer with antistatic additivition used for injection moulding applications.
Moplen EP448T has a very good flowability and a good impact/stiffness balance.
The main applications of Moplen EP448T are thin walled packaging, housewares and closures.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Africa-Middle East
Processing Methods	Injection Molding
Features	Antistatic, Good Flow, Good Impact Resistance , Nucleated, Good Stiffness
Typical Customer Applications	Caps & Closures, Housewares, Opaque Containers, Sports, Leisure and Toys

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.9	g/cm³
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	cm³/10min
Mechanical			
Tensile Modulus	ISO 527-1, -2	1350	MPa
Tensile Stress at Yield	ISO 527-1, -2	27	MPa
Tensile Strain at Break	ISO 527-1, -2	40	%
Tensile Strain at Yield	ISO 527-1, -2	5	%
Impact			
Charpy unnotched impact strength	ISO 179		
(23 °C, Type 1, Edgewise)		No Break	kJ/m²
(0 °C, Type 1, Edgewise)		100	kJ/m²
(-20 °C, Type 1, Edgewise)		75	kJ/m²
Charpy notched impact strength	ISO 179		
(23 °C, Type 1, Edgewise, Notch A)		5.0	kJ/m²
(0 °C, Type 1, Edgewise, Notch A)		3.5	kJ/m²
(-20 °C, Type 1, Edgewise, Notch A)		2.5	kJ/m²
Hardness			
Ball indentation hardness (H 358/30)	ISO 2039-1	62	MPa
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	90	°C
Vicat softening temperature A/50	ISO 306	151	°C
Vicat softening temperature B/50	ISO 306	70	°C

Notes

Typical properties; not to be construed as specifications.