Technical Data Sheet

Moplen EP548T

Polypropylene, Impact Copolymer

Product Description

Moplen EP548T is a heterophasic copolymer used in injection molding. This grade is characterized by a high flow, medium stiffness combined with a Nucleation and an antistatic additivation.
Moplen EP548T is typically used by customers in thin walled packaging, margarine tubs and housewares.

This grade is not intended for medical and pharmaceutical applications.

Status	Commercial: Active
Availability	Africa-Middle East; Europe
Application	Housewares; Opaque Containers
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	Contains Antistat; Good Impact Resistance; Good Stiffness; High Flow; Impact Copolymer; Nucleated

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	48	g/10 min	ISO 1133-1
Density	0.90	g/cm³	ISO 1183-1
Mechanical			
Tensile Modulus	1350	MPa	ISO 527-1, -2
Tensile Stress at Yield	29	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Tensile Strain at Yield	5	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	4	kJ/m²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	2.5	kJ/m²	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	2	kJ/m²	ISO 179
Thermal			
Vicat Softening Temperature, (A50)	152	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	98	°C	ISO 75B-1, -2

Notes

These are typical property values not to be construed as specification limits.