

Technical Data Sheet

Moplen EP548P



Polypropylene, Impact Copolymer

Product Description

Moplen EP548P is a nucleated heterophasic copolymer, suitable for injection moulding applications, and contains an anti-static agent.

It exhibits a high stiffness combined with a medium fluidity.

Moplen EP548P is extensively used in houseware, furniture, cylindrical containers and crates.

This grade is not intended for medical and pharmaceutical applications.

Application	Crates; Furniture; Housewares; Opaque Containers
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	Contains Antistat; Impact Copolymer; Medium Flow; Medium Stiffness; Nucleated

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	16	g/10 min	ISO 1133-1
Density, (23 °C)	0.90	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	1450	MPa	ISO 527-1, -2
Tensile Stress at Yield	28	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Tensile Strain at Yield	7	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	8	kJ/m ²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	6	kJ/m ²	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	3	kJ/m ²	ISO 179
Ductile/Brittle Transition Temperature	-45	°C	ISO 6603-2
Hardness			
Ball Indentation Hardness, (H 358/30)	69	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature			
(A/50)	147	°C	ISO 306
(B50)	70	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	100	°C	ISO 75B-1, -2