

Technical Data Sheet

Moplen RP248U



Polypropylene, Random Copolymer

Product Description

Moplen RP248U is a clarified random copolymer for injection moulding with antistatic additivation.

Moplen RP248U offers a very good flowability and an excellent combination of transparency and impact strength.

Moplen RP248U is typically used by customers in highly transparent housewares and thin walled packaging with high impact requirements.

This grade is not intended for medical and pharmaceutical applications.

Application	Clear Containers; Housewares; Sports, Leisure & Toys
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	Contains Antistat; High Flow; High Transparency; Low Temperature Impact Resistance; Nucleated; Random Copolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	60	g/10 min	ISO 1133-1
Density, (23 °C)	0.90	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	910	MPa	ISO 527-1, -2
Tensile Stress at Yield	25	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Tensile Strain at Yield	14	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	5.9	kJ/m ²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	2.5	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature, (A50)	125	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	69	°C	ISO 75B-1, -2
Optical			
Haze, (1 mm - injection molded disc)	11	%	ASTM D1003