

Technical Data Sheet

Moplen RP248R



Polypropylene, Random Copolymer

Product Description

Moplen RP248R is a random copolymer with good fluidity used in injection moulding applications.

Moplen RP248R is clarified and contains antistatic additivation. It exhibits a very high transparency combined with a very good impact strength, even at 0°C.

Moplen RP248R is typically used by customers in housewares and thin walled containers with high impact strength 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	High Transparency; Medium Impact Resistance; Nucleated; Random Copolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	30	g/10 min	ISO 1133-1
Density, (23 °C)	0.90	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	900	MPa	ISO 527-1, -2
Tensile Stress at Yield	22	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Tensile Strain at Yield	10	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	6.5	kJ/m ²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	2.5	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature, (A50)	120	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	60	°C	ISO 75B-1, -2
Optical			
Haze, (1 mm - injection molded disc)	10	%	ASTM D1003