

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 additivition. 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.

Status	Commercial: Active
Availability	Africa-Middle East; Europe
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	800	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)	3.5	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