



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 with antistatic additivation. It exhibits a very high transparency combined with a very good impact strength, even at 0°C.

Moplen RP248R is extensively applied in highly transparent housewares and thin walled containers with high impact requirements.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Africa-Middle East
Processing Methods	Injection Molding
Typical Customer Applications	Clear Containers, Housewares, Sports, Leisure and Toys

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.9	g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	30	g/10 min
Melt volume flow rate (230°C/2.16Kg)	ISO 1133	41	cm ³ /10min
Mechanical			
Tensile Modulus	ISO 527-1, -2	800	MPa
Tensile Stress at Yield	ISO 527-1, -2	22	MPa
Tensile Strain at Break	ISO 527-1, -2	> 50	%
Tensile Strain at Yield	ISO 527-1, -2	10	%
Impact			
Charpy notched impact strength	ISO 179		
(23 °C, Type 1, Edgewise, Notch A)		6.5	kJ/m ²
(0 °C, Type 1, Edgewise, Notch A)		3.5	kJ/m ²
Hardness			
Ball indentation hardness (H 358/30)	ISO 2039-1	41	MPa
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	60	°C
Vicat softening temperature A/50	ISO 306	120	°C
Vicat softening temperature B/50	ISO 306	60	°C
Optical			
Haze (1 mm)	ASTM D 1003	10	%

Notes

Typical properties; not to be construed as specifications.