



Moplen RP348R

Polypropylene, Random Copolymer

Product Description

Moplen RP348R is a nucleated and antistatic additivated random copolymer for injection moulding that displays excellent transparency combined with good flowability. The main applications of Moplen RP348R are housewares and caps & closures. For regulatory information please refer to Moplen RP348R Product Stewardship Bulletin (PSB)

Product Characteristics

Status	Commercial: Active
Test Method used	ISO ASTM
Availability	Europe, Africa-Middle East
Processing Methods	Injection Molding
Features	Antistatic, High Clarity, Random Copolymer, Good Flow , Nucleated
Typical Customer Applications	Caps & Closures, Housewares

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.9	g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	25	g/10 min
Mechanical			
Tensile Modulus	ISO 527-1, -2	1150	MPa
Tensile Stress at Yield	ISO 527-1, -2	30	MPa
Tensile Strain at Break	ISO 527-1, -2	>50	%
Tensile Strain at Yield	ISO 527-1, -2	14	%
Impact			
Charpy notched impact strength	ISO 179		
(23 °C, Type 1, Edgewise, Notch A)		6	kJ/m ²
(0 °C, Type 1, Edgewise, Notch A)		3	kJ/m ²
Hardness			
Ball indentation hardness (H 358/30)	ISO 2039-1	60	MPa
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	76	°C
Vicat softening temperature A/50	ISO 306	130	°C
Vicat softening temperature B/50	ISO 306	72	°C
Optical			
Haze (1 mm)	ASTM D 1003	9	%
Gloss (60°)	ASTM D 2457	85	%

Notes

Typical properties; not to be construed as specifications.