



## 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

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

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density	ISO 1183	0.9	g/cm <sup>3</sup>
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	25	g/10 min
<b>Mechanical</b>			
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	%
<b>Impact</b>			
Charpy notched impact strength	ISO 179		
(23 °C, Type 1, Edgewise, Notch A)		6	kJ/m <sup>2</sup>
(0 °C, Type 1, Edgewise, Notch A)		3	kJ/m <sup>2</sup>
<b>Hardness</b>			
Ball indentation hardness (H 358/30)	ISO 2039-1	60	MPa
<b>Thermal</b>			
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
<b>Optical</b>			
Haze (1 mm)	ASTM D 1003	9	%
Gloss (60°)	ASTM D 2457	85	%

#### Notes

Typical properties; not to be construed as specifications.