



## Moplen RP340N

### Polypropylene, Random Copolymer

#### Product Description

Moplen RP340N is a random copolymer, suitable for injection moulding applications.

The product features very good transparency and gloss.

Moplen RP340N is commonly used in houseware, caps and packaging items.

For regulatory information please refer to Moplen RP340N Product Stewardship Bulletin ( PSB )

#### Product Characteristics

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

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	11	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)		2	kJ/m <sup>2</sup>
<b>Hardness</b>			
Ball indentation hardness (H 358/30)	ISO 2039-1	58	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.