



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

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Africa-Middle East
Processing Methods	Injection Molding
Typical Customer Applications	Caps & Closures, 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	11	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)		2	kJ/m ²
Hardness			
Ball indentation hardness (H 358/30)	ISO 2039-1	58	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.