

Technical Data Sheet

Moplen RP340N



Polypropylene, Random Copolymer

Product Description

Moplen RP340N is a polypropylene random copolymer with medium melt flow rate for usage in injection molding applications.

Moplen RP340N is nucleated, for improved productivity and very good optical properties (transparency and brilliance). It has an organoleptic profile to meet the demanding requirements of the food industry.

Moplen RP340N is typically used in caps and closures, housewares and rigid packaging items.

This grade is not intended for medical and pharmaceutical applications.

Application	Caps & Closures; Clear Containers; Housewares; Sports, Leisure & Toys
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	High Transparency; Medium Stiffness; Nucleated; Random Copolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	11	g/10 min	ISO 1133-1
Density, (23 °C)	0.90	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	1150	MPa	ISO 527-1, -2
Tensile Stress at Yield	30	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Tensile Strain at Yield	14	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	6	kJ/m ²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	2	kJ/m ²	ISO 179
Hardness			
Ball Indentation Hardness, (H 358/30)	48	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature, (A50)	130	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	76	°C	ISO 75B-1, -2
Optical			
Haze, (1 mm - injection molded disc)	9	%	ASTM D1003
Gloss, (60°)	135		ASTM D2457