

Moplen RP340N

Polypropylene Random Copolymer

LyondellBasell Industries

Message:

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)

General Information			
Features	Food Contact Acceptable		
	High Clarity		
	High Gloss		
	Random Copolymer		
Uses	Caps		
	Closures		
	Containers		
	Household Goods		
	Sporting Goods		
	Toys		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	58.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1150	MPa	ISO 527-2
Tensile Stress (Yield)	30.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	14	%	
Break	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
0°C	2.0	kJ/m ²	
23°C	6.0	kJ/m ²	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	76.0	°C	ISO 75-2/B
Vicat Softening Temperature			
--	130	°C	ISO 306/A50
--	72.0	°C	ISO 306/B50
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	85		ASTM D2457
Haze (1000 μm)	9.0	%	ASTM D1003

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