

Moplen RP344N

Polypropylene Random Copolymer

LyondellBasell Industries

Message:

Moplen RP344N is a polypropylene random copolymer manufactured using the Spheripol process. With its excellent gloss, clarity and good flow, combined with its balance of rigidity and impact, this grade is suitable for injection molding. Potential end use applications include moulding of appliances, housewares and containers.

General Information			
Features	Good Flow		
	Good Impact Resistance		
	Good Strength		
	High Clarity		
	High Gloss		
	Medium Rigidity		
	Random Copolymer		
Uses	Appliances		
	Containers		
	Household Goods		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	29.4	MPa	ASTM D638
Tensile Elongation (Yield)	13	%	ASTM D638
Flexural Modulus	1230	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	20	J/m	
23°C	49	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	97.0	°C	ASTM D648

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