



## Moplen RP344N

### Polypropylene, Random Copolymer

#### Product Description

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.

#### Product Characteristics

<b>Status</b>	Commercial: Active
<b>Test Method used</b>	ASTM
<b>Availability</b>	Asia-Pacific, Australia/NZ, Africa-Middle East
<b>Processing Method</b>	Injection Molding
<b>Features</b>	High Clarity, Random Copolymer, Good Flow, High Gloss , Good Strength
<b>Typical Customer Applications</b>	Housewares, Clear Containers

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density -Specific Gravity	ASTM D 792	0.9	g/cm <sup>3</sup>
Melt flow rate (230°C/2.16kg)	ASTM D 1238	13	g/10 min
<i>Note: ASTM D1238L</i>			
<b>Mechanical</b>			
Tensile Strength @ Yield	ASTM D 638	300	kg/cm <sup>2</sup>
Flexural Modulus	ASTM D 790	12500	kg/cm <sup>2</sup>
Tensile Elongation @ Yld	ASTM D 638	13	%
<b>Impact</b>			
Notched izod impact	ASTM D 256		
(23 °C)		5	kg-cm/cm
(-20 °C)		2	kg-cm/cm
<b>Hardness</b>			
Rockwell Hardness (R Scale)	ASTM D 785	90	
<b>Thermal</b>			
Heat deflection temperature at 0.46 N/mm <sup>2</sup>	ASTM D 648	97	°C

#### Notes

Typical properties; not to be construed as specifications.

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- Equistar Chemicals, LP
- Basell Sales & Marketing Company B.V.
- Basell Asia Pacific Limited
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Users should review the applicable Material Safety Data Sheet before handling the product.

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