



## 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

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

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
Note: ASTM D1238L			
<b>Mechanical</b>			
Flexural Modulus	ASTM D 790	12500	kg/cm <sup>2</sup>
Tensile Strength @ Yield	ASTM D 638	300	kg/cm <sup>2</sup>
Tensile Elongation @ Yield	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.