



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 Method	Injection Molding
Features	High Clarity, Random Copolymer, Good Flow, High Gloss , Good Strength
Typical Customer Applications	Housewares, Clear Containers

Typical Properties	Method	Value Unit
Physical		
Density -Specific Gravity	ASTM D 792	0.9 g/cm³
Melt flow rate (230°C/2.16kg)	ASTM D 1238	13 g/10 min
Note: ASTM D1238L		
Mechanical		
Tensile Strength @ Yield	ASTM D 638	300 kg/cm²
Flexural Modulus	ASTM D 790	12500 kg/cm²
Tensile Elongation @ Yld	ASTM D 638	13 %
Impact		
Notched izod impact (23 °C)	ASTM D 256	5 kg-cm/cm
(-20 °C)		2 kg-cm/cm
Hardness		
Rockwell Hardness (R Scale)	ASTM D 785	90
Thermal		
Heat deflection temperature at 0.46 N/mm2	ASTM D 648	97 °C

Notes

Typical properties; not to be construed as specifications.

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Users should review the applicable Material Safety Data Sheet before handling the product.

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