



Moplen RP344R

Polypropylene, Random Copolymer

Product Description

Moplen RP344R is a polypropylene random copolymer manufactured using the Spheripol process. With its excellent gloss, clarity, and flow, combined with its balance of rigidity and impact, this grade is particularly suitable for injection molding. Potential end use applications include housewares, thin wall articles for food/non-food usage, and caps and lids.

Product Characteristics

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

Typical Properties	Method	Value	Unit
Physical			
Density -Specific Gravity	ASTM D 792	0.9	g/cm ³
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	24	g/10 min
<i>Note: ASTM D1238L</i>			
Mechanical			
Flexural Modulus	ASTM D 790	12500	kg/cm ²
Tensile Strength @ Yield	ASTM D 638	300	kg/cm ²
Tensile Elongation @ Yield	ASTM D 638	8	%
Impact			
Notched Izod Impact	ASTM D 256		
(23 °C)		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/mm ²	ASTM D 648	95	°C
Optical			
Haze	ASTM D 1003	16	%

Notes

Typical properties; not to be construed as specifications.