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 Method	Injection Molding
Features	High Clarity, Random Copolymer, High Gloss , Good Color Stability, 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	24 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	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/mm2	ASTM D 648	95 °C
Optical		
Haze	ASTM D 1003	16 %