



# Jampilen RP340N

Random Copolymer

JAMPILen Polypropylene

**Description:** "Jampilen RP340N" is a polypropylene random copolymer which features extremely high flow properties, excellent transparency, high gloss and exhibits good antistatic properties. "Jampilen RP340N" is mainly designed for transparent housewares and quality packaging applications. It is an outstanding grade for injection molded containers and thin-walled packaging where clarity is of utmost importance. In many of these applications, "Jampilen RP340N" can replace PS since it can match the optical properties whilst adding low weight, low odor transfer, chemical resistance and impact strength.

**Processing Method:** Injection molding  
Extrusion (Sheet)

**Features:** High flow properties  
Excellent transparency  
High gloss  
Good antistatic properties  
Random copolymer

**Typical Applications:** Injection molded containers and thin-walled packaging  
Clear containers  
Household articles  
Packaging for food, cosmetics and pharmaceutical products  
Lids, caps and closures  
Coextrusion with other polypropylene resins to produce multilayer sheet for thermoforming trays for fresh pasta and bakery products  
Sports, Leisure and toys

**Approval:** Food

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
<b>Physical</b>			
Melt Flow Rate (230 °C, 2.16kg)	11	g/10min	ASTM D1238
Density	0.9	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
Flexural Modulus	1050	MPa	ASTM D790
Tensile Strength at Yield	28	MPa	ASTM D638
Tensile Elongation at Yield	12	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	85	J/m	ASTM D256
Rockwell Hardness	94	R Scale	ASTM D785
<b>Thermal</b>			
Vicat softening point (10N)	128	°C	ASTM D1525
H.D.T. (0.46 Mpa)	83	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	hours	ASTM D3012
<b>Optical</b>			
Haze (1 mm)	9	%	ASTM D1003
Gloss (60°)	85	----	ASTM D2457

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