

Jampilen RP340N

Random Copolymer

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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

Approval:

Food

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
Physical			
Melt Flow Rate (230 °C, 2.16kg)	11	g/10min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Mechanical			
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
Thermal			
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
Optical			
Haze (1 mm)	9	%	ASTM D1003
Gloss (60°)	85	---	ASTM D2457

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