

Jampilen RP340N

Polypropylene Random Copolymer

Jam Polypropylene Company

Message:

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.

General Information	
Additive	Antistatic
Features	Antistatic
	Food Contact Acceptable
	Good Chemical Resistance
	Good Impact Resistance
	High Clarity
	High Flow
	High Gloss
	Low Odor Transfer
	Random Copolymer
Uses	Caps
	Closures
	Containers
	Cosmetic Packaging
	Food Packaging
	Lids
	Sheet
	Thin-walled Packaging
Processing Method	Injection Molding
	Sheet Extrusion
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	94		ASTM D785
Mechanical	Nominal Value	Unit	Test Method

Tensile Strength (Yield)	28.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1050	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	85	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	83.0	°C	ASTM D648
Vicat Softening Temperature	128	°C	ASTM D1525 ¹
Accelerated Oven Ageing (150°C)	360	hr	ASTM D3012
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	85		ASTM D2457
Haze (1000 µm)	9.0	%	ASTM D1003
NOTE			
1.	Loading 1 (10 N)		

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