



PERSIAN GULF POLYMER

POLYPROPYLENE (RANDOM CO-POLYMER)

PP-RP340N

Better Decision for better Production.

LDPE | LLDPE | MDPE | HDPE | **PP** | PVC | GPPS | HIPS | EPS | PET | ABS | SBR | PBR | PC

Description: "RP340N" is a polypropylene random copolymer which features extremely high flow properties, excellent transparency, high gloss and exhibits good antistatic properties. "RP340N" is mainly designed for transparent house wares 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, "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:

- Extrusion (sheet)
- Injection molding

Features:

- High flow properties, excellent transparency, High gloss, Good antistatic properties

Typical Applications:

- Clear containers, Household articles, packaging for foods, 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

PROPERTY	VALUE	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16 kg)	11	g/10 min	ASTM D1238
Density	0.9	Kg/m ³	ASTM D1505
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
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
Haze (1mm)	9	%	ASTM D1003
Gloss (60°)	85	---	ASTM D2457

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