



PERSIAN GULF POLYMER

POLYPROPYLENE (RANDOM CO-POLYMER)

PP-RP340R

Better Decision for better Production.

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

Description: "PP RP340R" is a nucleated polypropylene random copolymer with medium fluidity and outstanding transparency and gloss and is designed for injection molding applications.

"RP340R" is the material of choice for applications where transparency is a primary requirement. This grade is also suitable for injection stretch blow molded containers and bottles. This product combines good see through clarity and excellent moisture barrier properties with hot fallibility. Therefore, "RP340R" offers an effective alternative for PET and PVC for the packaging of non-oxygen sensitive products such as confectionary, herbs, toiletries and cosmetics.

Processing Method:

- Injection molding
- Injection stretch blow molding

Features:

- High melt flow, Excellent transparency, High gloss, Random copolymer

Typical Applications:

- Household containers, housewares - Packaging for food, cosmetics and pharmaceutical products
- Clear tubs and pots for ice cream, yoghurt and other desserts -Medical sector such as syringes, test tubes and vials - Lids, caps and closures - CD and DVD boxes - Sports, Leisure and toys

PROPERTY	VALUE	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16 kg)	25	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	65	J/m	ASTM D256
Rockwell Hardness	94	R Scale	ASTM D785
Vicat softening point (10N)	127	°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)	22	%	ASTM D1003
Gloss (60°)	73	---	ASTM D2457

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