

Jampilen RP340R

Random Copolymer



Description:

"Jampilen RP340R" is a nucleated polypropylene random copolymer with high fluidity and outstanding transparency and gloss and is designed for injection molding applications.

"Jampilen 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 fillability. Therefore, "Jampilen 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
Excellent 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
Injection stretch blow molded containers and bottles
Sports, leisure and toys

Approval:

Food

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
Physical			
Melt Flow Rate (230 °C, 2.16 kg)	25	g/10min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Mechanical			
Flexural Modulus	1100	MPa	ASTM D790
Tensile Strength at Yield	30	MPa	ASTM D638
Tensile Strength at Break	30	MPa	ASTM D638
Tensile Elongation at Yield	7	%	ASTM D638
Tensile Strain at Break	400	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	> 50	J/m	ASTM D256
Izod Impact Strength (notched) at -20 °C	> 16	J/m	ASTM D256
Thermal			
Vicat softening point (B 120 °C/h, 10N)	130	°C	ASTM D1525
H.D.T. (0.46 MPa)	80	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	Hours	ASTM D3012
Optical			
Haze (1mm)	13	%	ASTM D1003
Gloss (45°)	80	...	ASTM D2457

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