

Jampilen RP345S

Random Copolymer



Description:

"Jampilen RP345S" is a polypropylene random copolymer with high fluidity and outstanding transparency and optical properties.

"Jampilen RP345S" is the material of choice for applications where transparency and aesthetics are primary requirements. This grade is designed for injection molding and injection stretch blow molding (ISBM) applications. Thanks to its high fluidity, one can experience reduced cycle times and energy savings compared to conventional grades.

"Jampilen RP345S" is suitable for the packaging of non-oxygen sensitive products; hence, it counts as an effective alternative for PVC and PET in ISBM.

Processing Method:

Injection Molding
Injection stretch blow molding

Features:

High fluidity
Excellent Optical properties
Unspecified antistatic properties
Suitable organoleptic properties
Excellent processability and reduced cycle times
Random Copolymer

Typical Applications:

Household containers, housewares
Packaging for food, cosmetics and pharmaceutical products
TWIM
Lids, caps and closures
Medical sector such as syringes, test tubes and vials
Sports, leisure and toys
CD and DVD boxes
Bottles and containers produced with ISBM

Approval:

Food

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
Physical			
Melt Flow Rate (230 °C, 2.16 kg)	40	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 Elongation at Yields	9	%	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)	85	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	Hours	ASTM D3012
Optical			
Haze (1mm)	11	%	ASTM D1003
Gloss (45°)	90	...	ASTM D2457

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