



RANDOM COPOLYMER

RP345S - (Jampilen)

Product 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 data - RP345S



RANDOM COPOLYMER

PROPERTY	TEST METHOD	UNIT	VALUE
Physical properties			
Melt Flow Rate (230 oC, 2.16kg)	ASTM D1238	g/10min	40
Density	ASTM D1505	g/cm ³	0.9
Mechanical			
Flexural Modulus	ASTM D790	MPa	1100
Tensile Strength at Yield	ASTM D638	MPa	28
Tensile Elongation at Yield	ASTM D638	%	9
Izod Impact Strength (notched) at 23 oC	ASTM D256	J/m	55
Thermal			
Vicat softening point (10N)	ASTM D1525	oC	128
H.D.T. (0.46 MPa)	ASTM D648	oC	82
Accelerated oven ageing in air at 150 oC	ASTM D3012	hours	360
Optical			
Haze (1 mm)	ASTM D1003	%	11
Gloss	ASTM D2457	----	90

SURIN