

Product Data Sheet

Description:

PP-Random copolymer
RP345S

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

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.

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

Features

- High fluidity
- Easy mold filling and short cycle times
- Desirable impact / stiffness balance
- Good dimensional stability
- Unspecified antistatic properties
- Heterophasic copolymer

Main 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

Processing Method

- Injection molding
- Injection stretch blow molding

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

Polypyrrolene

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