

Technical Data Sheet

PP RP345S

Polypropylene Copolymer

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 non-oxygen sensitive products; hence, it counts as an effective alternative for PVC and PET in ISBM.

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

Properties	Value	Unit	Test Method
Melt Flow Rate(230°C,2.16 Kg)	40	g/10 min	ASTM D 1238
Density	0.9	g/cm3	ASTM D 1505
Flexure Modulus	1100	Mpa	ASTM D 790
Tensile Strength at yield	28	Mpa	ASTM D 638
Tensile Strength at yield	9	%	ASTM D 638
Izod Impact Strength (notched) at 23 °C	55	J/m	ASTM D256
Vicat Softening Point (10N)	128	°C	ASTM D 1525
H.D.T (0.46 Mpa)	82	°C	ASTM D 648
Accelerated oven ageing in air at 150°C	360	hours	ASTM D 3012
Haze (1 mm)	11	%	ASTM D 1003
Gloss	90	--	ASTM D 2457