

Technical Datasheet RPX-345S

Product Description:

RPX-345S is a polypropylene random copolymer with high fluidity and outstanding transparency and optical properties.

RPX-345S 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.

RPX-345S is suitable for the packaging of non-oxygen sensitive products; hence, it counts as an effective alternative for PVC and PET in ISBM.

Applications:

Households

Toys, Bottle

Food Containers

Container

Caps and Closures

Thin-Wall Products

Sports Equipment

Syringe

Test Tube

Cosmetics Packaging

Medical Tubes

Medical-Sanitary Products

Typical data:

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