



#### GRADE NAME: RPX-345S

**Description:** "Jampilen RPX-345S" is a polypropylene random copolymer with high fluidity and outstanding transparency and optical properties. "Jampilen 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. "Jampilen RPX-345S" is suitable for the packaging of non- oxygen sensitive products (e.g. Confectionary, herbs, toiletries and cosmetics); hence, it counts as an effective alternative for the PVC and PET in ISBM

**Processing Method:** Injection molding, Injection stretch blow molding

**Features:** High melt flow  
Excellent Optical properties  
Good 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 TW1M  
 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

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
Melt Flow Rate (230 *C. 2.16kg)	38	g/10min	ASTM D1238
Density	0.9	g/cm <sup>3</sup>	ASTM D1505
Flexural Modulus	1150	MPa	ASTM D790
Tensile Strength at Yield	28	MPa	ASTM D638
Tensile Elongation at Yield	10	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	55	J/m	ASTM D256
Rockwell Hardness	94	R-Scale	ASTM D785
Vicat softening point (ION)	128	°C	ASTM DI525
H.D.T. (0.46 Mpa)	82	°C	ASTM D648
Accelerated oven ageing in air at 150 "C	360	hours	ASTM D3012
Haze (1 mm)	12	%	ASTM D1003