

## Polypropylene RP 347

**Sub-group:**

Random  
Copolymer

**Description:**

RP 347 is a medium melt flow rate random copolymer designed for injection moulding. This product offers excellent transparency and gloss, very good stiffness/impact strength balance, excellent processability and also provides very low odor/taste.

**Applications:**

Packaging with high transparency for cosmetics and domestic utilities; cups injected to curd cheese.

**Processing:**

Injection  
Moulding

**Control Property:**

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	10

**Typical Properties<sup>a</sup>:**

	ASTM Method	Units	Values
Density	D 792	g/cm <sup>3</sup>	0.902
Flexural Modulus – 1% secant	D 790	MPa	950
Tensile Strength at Yield	D 638	MPa	30
Tensile Elongation at Yield	D 638	%	14
Rockwell Hardness (R Scale)	D 785	-	83
Notched Izod Impact Strength at 23°C	D 256	J/m	120
Notched Izod Impact Strength at -20°C	D 256	J/m	20
Deflection Temperature under Load at 0.455 MPa	D 648	°C	80
Deflection Temperature under Load at 1.820 MPa	D 648	°C	51
Vicat Softening Temperature at 10 N	D 1525	°C	128
Haze <sup>b</sup>	D 1003	%	16

a) Injection molded specimen according to ASTM D 4101.

b) Specimen thickness: 1 mm.

