

Polypropylene RP 141

Sub-group:

Random copolymer

Description:

RP 141 is a high melt flow rate random copolymer designed for injection molding. This product offers outstanding transparency, very good stiffness/impact strength balance and excellent processability.

Applications:

Injection of high transparency and thin-walled parts.

Processing:

Injection Moulding

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	40

Typical Properties^a:

	ASTM Method	Units	Values
Density	D 792	g/cm ³	0.902
Flexural Modulus – 1% secant	D 790	MPa	1050
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	40
Notched Izod Impact Strength at -20°C	D 256	J/m	20
Deflection Temperature under Load at 0.455 MPa	D 648	°C	83
Deflection Temperature under Load at 1.820 MPa	D 648	°C	49
Vicat Softening Temperature at 10 N	D 1525	°C	127
Haze ^b	D 1003	%	18

a) Injection molded specimen according to ASTM D 4101.

b) Specimen thickness: 1 mm.

