

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:

	ISO Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	1133	g/10 min	40

Typical Properties^a:

	ISO Method	Units	Values
Density	1183-1	g/cm ³	0.902
Flexural Modulus – 1% secant	178	MPa	1150
Tensile Strength at Yield	527-1	MPa	28
Tensile Elongation at Yield	527-1	%	16
Rockwell Hardness (R Scale)	2039-2	-	83
Notched Izod Impact Strength at 23°C	180	kJ/m ²	4.4
Deflection Temperature under Load at 0.455 MPa	75-1/75-2	°C	79
Deflection Temperature under Load at 1.820 MPa	75-1/75-2	°C	49
Vicat Softening Temperature at 10 N	306	°C	127
Haze ^b	13468-1	%	14

a) Injection molded specimen according to ISO 294.

b) Specimen thickness: 1 mm.

