

Polypropylene RP 149

Sub-group:

Random Copolymer

Description:

RP 149 is a very high fluidity random copolymer, suitable for injection molding of large parts with excellent processability and transparency, high gloss, good stiffness/impact balance.

Applications:

Injection of high transparency and thin wall parts; rapid cycling injection.

Processing:

Injection Molding

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	87

Typical Properties^a:

	ASTM Method	Units	Values
Density	D 792	g/cm ³	0.902
Flexural Modulus – 1% secant	D 790	MPa	950
Tensile Strength at Yield	D 638	MPa	28
Tensile Elongation at Yield	D 638	%	14
Rockwell Hardness (R Scale)	D 785	-	80
Notched Izod Impact Strength at 23°C	D 256	J/m	40
Notched Izod Impact Strength at -20°C	D 256	J/m	-
Deflection Temperature under Load at 0.455 MPa	D 648	°C	75
Haze ^b	D 1003	%	19

a) Injection molded specimen according to ASTM D 4101

b) Specimen thickness: 1 mm.

