

Polypropylene CP 141

Sub-group:

Heterophasic Copolymer

Description:

CP 141 is a high melt flow rate heterophasic copolymer specially designed to achieve high productivity on thin-walled parts with very easy mould filling and high speed injection moulding. This product features an excellent impact strength at low temperatures and high flow.

Applications:

Household; Thin-walled articles; Toys.

Processing:

Injection Moulding

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	43

Typical Properties^a:

	ASTM Method	Units	Values
Density	D 792	g/cm ³	0.900
Flexural Modulus – 1% secant	D 790	MPa	1200
Tensile Strength at Yield	D 638	MPa	26
Tensile Elongation at Yield	D 638	%	5
Rockwell Hardness (R Scale)	D 785	-	83
Notched Izod Impact Strength at 23°C	D 256	J/m	100
Notched Izod Impact Strength at -20°C	D 256	J/m	50
Deflection Temperature under Load at 0.455 MPa	D 648	°C	110
Deflection Temperature under Load at 1.820 MPa	D 648	°C	57
Vicat Softening Temperature at 10 N	D 1525	°C	149

a) Injection molded specimen according to ASTM D 4101.

