

Polypropylene CP 100

Sub-group:

Heterophasic Copolymer

Description:

CP 100 is a heterophasic copolymer of propylene and ethylene. This grade has high melt flow rate and very high stiffness. It was developed for parts with complex design and it allows fast cycles injection of thin-walled parts and excellent organoleptic properties.

Applications:

Injection of large volume parts, complex or thin walled design, compounds.

Processing:

Injection Moulding

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	100

Typical Properties^a:

	ASTM Method	Units	Values
Density	D 792	g/cm ³	0.900
Flexural Modulus – 1% secant	D 790	MPa	1350
Tensile Strength at Yield	D 638	MPa	27
Tensile Elongation at Yield	D 638	%	5
Rockwell Hardness (R Scale)	D 785	-	92
Notched Izod Impact Strength at 23°C	D 256	J/m	30
Notched Izod Impact Strength at -20°C	D 256	J/m	20
Deflection Temperature under Load at 0.455 MPa	D 648	°C	115
Deflection Temperature under Load at 1.820 MPa	D 648	°C	64
Vicat Softening Temperature at 10 N	D 1525	°C	150

a) Injection molded specimen according to ASTM D 4101.

