

Polypropylene CP 286

Sub-group:

Heterophasic Copolymer

Description:

CP 286 is a high melt flow rate, heterophasic copolymer, suitable for injection moulding applications and also as base resin for compound. The resin combines excellent stiffness with good impact resistance, even at sub-zero temperatures.

Applications:

Excellent balance of mechanical properties.

Processing:

Injection Moulding

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	18

Typical Properties^a:

	ASTM Method	Units	Values
Density	D 792	g/cm ³	0.895
Flexural Modulus – 1% secant	D 790	MPa	1000
Tensile Strength at Yield	D 638	MPa	21
Tensile Elongation at Yield	D 638	%	5
Rockwell Hardness (R Scale)	D 785	-	58
Notched Izod Impact Strength at 23°C	D 256	J/m	NB ^b
Notched Izod Impact Strength at -20°C	D 256	J/m	80
Deflection Temperature under Load at 0,455 MPa	D 648	°C	103
Deflection Temperature under Load at 1,820 MPa	D 648	°C	54
Vicat Softening Temperature at 10N	D 1525	°C	143

a) Injection molded specimen according to ASTM D 4101. b) NB: non-break.

