

Polypropylene CP 401HC

Sub-group:

Heterophasic Copolymer

Description:

CP 401HC is a medium melt flow rate heterophasic copolymer, specially designed to achieve high stiffness/impact strength balance. This product offers good surface appearance and processability.

Applications:

Garden furniture; Household appliances; Compounds.

Processing:

Injection Moulding

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	6.0

Typical Properties^a:

	ASTM Method	Units	Values
Density	D 792	g/cm ³	0.900
Flexural Modulus – 1% secant	D 790	MPa	1700
Tensile Strength at Yield	D 638	MPa	34
Tensile Elongation at Yield	D 638	%	6
Rockwell Hardness (R Scale)	D 785	-	99
Notched Izod Impact Strength at 23°C	D 256	J/m	55
Notched Izod Impact Strength at -20°C	D 256	J/m	20
Deflection Temperature under Load at 0.455 MPa	D 648	°C	125
Deflection Temperature under Load at 1.820 MPa	D 648	°C	64
Vicat Softening Temperature at 10 N	D 1525	°C	156

a) Injection molded specimen according to ASTM D 4101.

