

Polypropylene CP 741

Sub-group:

Heterophasic Copolymer

Description:

CP 741 is a low melt flow rate heterophasic copolymer. It has broad molecular weight distribution and general purpose additive package. CP 741 presents low odor/taste transfer, high melt strength, good processability and excellent impact strength even at low temperatures.

Applications:

Thermoformed packages with high impact strength; Blown packages and technical parts in general; Sheet extrusion with high impact resistance; Corrugated pipe extrusion for water drainage of sinks or washbasins.

Processing:

Thermoforming Blow Molding Extrusion

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	0.80

Typical Properties^a:

	ASTM Method	Units	Values
Density	D 792	g/cm ³	0.895
Flexural Modulus – 1% secant	D 790	MPa	900
Tensile Strength at Yield	D 638	MPa	24
Tensile Elongation at Yield	D 638	%	13
Rockwell Hardness (R Scale)	D 785	-	59
Notched Izod Impact Strength at 23°C	D 256	J/m	NB ^b
Notched Izod Impact Strength at -20°C	D 256	J/m	50
Deflection Temperature under Load at 1.820 MPa	D 648	°C	50
Deflection Temperature under Load at 0.455 MPa	D 648	°C	90
Vicat Softening Temperature at 10 N	D 1525	°C	147

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

