

Polypropylene CP 743

Sub-group:

Heterophasic Copolymer

Description:

CP 743 is a low melt flow rate heterophasic copolymer. It has broad molecular weight distribution and general purpose additive package. CP 743 presents high melt strength, good processability and excellent impact strength.

Applications:

Thermoformed packages with high impact strength; sheet extrusion; Compounds

Processing:

Thermoforming
Extrusion

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	0.6

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	25
Tensile Elongation at Yield	D 638	%	15
Rockwell Hardness (R Scale)	D 785	-	57
Notched Izod Impact Strength at 23°C	D 256	J/m	NB ^b
Notched Izod Impact Strength at -20°C	D 256	J/m	40
Deflection Temperature under Load at 1.820 MPa	D 648	°C	50
Deflection Temperature under Load at 0.455 MPa	D 648	°C	85
Vicat Softening Temperature at 10 N	D 1525	°C	146

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

