

Polypropylene CP 195

Sub-group:

Heterophasic Copolymer

Description:

CP 195 is a very high melt flow rate heterophasic copolymer developed for high speed injection moulding machines and high productivity thin-walled injection moulded parts. The product features high impact strength even at sub-zero temperatures and it is suitable for food contact applications due to its excellent organoleptic properties.

Applications:

Packaging for food sensitive to changes in odor and taste; Housewares; Packaging for frozen desserts; Injected lids for margarine.

Processing:

Injection Moulding

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	60

Typical Properties^a:

	ASTM Method	Units	Values
Density	D 792	g/cm ³	0.895
Flexural Modulus – 1% secant	D 790	MPa	950
Tensile Strength at Yield	D 638	MPa	20
Tensile Elongation at Yield	D 638	%	4
Rockwell Hardness (R Scale)	D 785	-	61
Notched Izod Impact Strength at 23°C	D 256	J/m	80
Notched Izod Impact Strength at -20°C	D 256	J/m	40
Deflection Temperature under Load at 0.455 MPa	D 648	°C	95
Deflection Temperature under Load at 1.820 MPa	D 648	°C	53
Vicat Softening Temperature at 10 N	D 1525	°C	137

a) Injection molded specimen according to ASTM D 4101.

