

Polypropylene PCD 0810

Sub-group:

Heterophasic Copolymer

Description:

PCD 0810 is a high melt flow rate heterophasic copolymer developed for injection moulding applications. The product combines high impact strenght and good processability with a fair stiffness level. This resin can be used as impact booster for compounds.

Applications:

Buckets; Battery cases; Industrial and grocery boxes; lids and caps; Compounds.

Processing:

Injection Moulding

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	12

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	22
Tensile Elongation at Yield	D 638	%	6
Rockwell Hardness (R Scale)	D 785	-	60
Notched Izod Impact Strength at 23°C	D 256	J/m	NB ^b
Notched Izod Impact Strength at -20°C	D 256	J/m	60
Deflection Temperature under Load at 0.455 MPa	D 648	°C	81
Deflection Temperature under Load at 1.820 MPa	D 648	°C	49
Vicat Softening Temperature at 10 N	D 1525	°C	140

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

