

Product Data Sheet

Polypropylene Copolymer

Process: Injection Molding

PCI 44 is a high melt flow rate heterophasic copolymer specially designed to achieve high productivity on thin-walled parts with very easy mould filling and high speed injection moulding. This product features an excellent impact strength at low temperatures and high flow.

Application:

Houseware, Thin wall parts.

Control & Typical Properties			
Feature	Method	Units	Values
Melt Flow Rates (230 °C/2.16 kg)	D 1238	g/10 min	43
Density	D 792	s/cm ³	0.900
Flexural Modulus - 1% Secant	D 790	Mpa	1200
Tensile Strength at Yield	D 638	Mpa	26
Tensile Elongation at Yield	D 638	%	8
Notched Izod Impact Strength	D 256	J/m	95
Deflection Temperature under Load at 0.455 Mpa	D 648	°C	110
Deflection Temperature under Load at 1.820 Mpa	D 648	°C	55
Vicat Softening Temperature at 10N	D 1525	°C	150
Rockwell Hardness (R Scale)	D 785		83

¹ Typical values which can vary within specification limits and are not to be construed as specifications.

² 2.16 kg/230° C.