

VINPOL™ PI100

Impact Copolymer Polypropylene

Melt Flow: 10

Density: 0.90

VINPOL PI100 is a medium impact copolymer polypropylene designed for general purpose injection molding applications. It has a balance of physical properties and excellent dimensional stability. Targeted applications include consumer products, household items, appliances and other lawn and garden items.

Resin Property*	Typical Value	Units	Test Method
Melt Flow (230°C/2.16 kg)	10	g/10 min	ASTM D-1238
Density	0.90	g/cm ³	ASTM D-1505
Tensile Strength at Yield, 50 mm/min	3,600 (25)	psi (MPa)	ASTM D-638
Tensile Elongation at Yield, 50 mm/min	7	%	ASTM D-638
Flexural Modulus, 1.3 mm/min, 1% Secant, Procedure A	160,000 (1,103)	psi (MPa)	ASTM D-790
Notched Izod Impact Strength, 23° C (73°F)	3.7 (133)	ft-lb/in (J/m)	ASTM D-256
Heat Deflection Temperature, 66 psi	203 (95)	°F (°C)	ASTM D-648
Rockwell Hardness	100	R Scale	ASTM D-785

*Specimens were injection molded according to conditions specified in ASTM D-4101.

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