



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.*

Vinmar Polymers America cannot anticipate or control the many different conditions under which this information and/or product may be used. It does not guarantee the applicability or the accuracy of this information or the suitability of its products in any given situation. User of the material should make their own tests to determine the suitability of each such product for their particular purposes. The data listed herein falls within the normal range of product properties, but they should not be used to establish specification limits or used alone as the basis of design.

Vinmar Polymers America, LLC / 16825 Northchase Drive, Suite 1400, Houston, TX 77060
Phone: 281-902-0900 Fax: 281-260-8096

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