



VINPOL™ PI100KN

Impact Copolymer Polypropylene

Melt Flow: 10

Density: 0.90

VINPOL PI100KN is an impact copolymer polypropylene designed for injection molding consumer and industrial applications including containers and pallets. It has good dimensional stability, colorability, mold release, thermal stability, medium flow and is nucleated.

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	Supplier Method
Tensile Strength at Yield, 2 in/min (51 mm/min)	3,040 (21)	psi (MPa)	ASTM D-638
Elongation at Yield, 2 in/min (51 mm/min)	5.1	%	ASTM D-638
Flexural Modulus, 1% Secant, 0.051 in/min (1.3 mm/min)	159,000 (1,100)	psi (MPa)	ASTM D-790A
Notched Izod Impact Strength, 23° C (73°F)	No Break	ft-lb/in (J/m)	ASTM D-256A
Gardner Impact, -29°C (-20°F), 0.125in (3.18mm) Geometry GC	299 (33.8)	In-lb (J)	ASTM D-5420
DTUL, 66psi, Unannealed	196 (91.3)	°F (°C)	ASTM D-648

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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