



VinPol™ PI300NK

Impact Copolymer Polypropylene

Melt Flow: 30

Density: 0.900

VINPOL PI300NK is a high crystallinity, high impact, nucleated polypropylene copolymer with excellent process-ability, heat aging resistance, and designed for injection molding and compounding applications. Typical applications include automotive, appliance and industrial parts.

Resin Property	Typical Value	Units	Test Method
Melt Flow, 2.16kg at 230°C	30	g/10 min	ASTM D-1238
Density	0.900	g/cm ³	Supplier Method
Tensile Strength at Yield, 2"/min (51mm/min)	2,890 (19.9)	psi (MPa)	ASTM D-638
Elongation at Yield, 2"/min (51mm/min)	5.7	%	ASTM D-638
Flexural Modulus, 1% Secant, 0.051"/min (1.3mm/min)	144,000 (993)	psi (MPa)	ASTM D-790A
Flexural Modulus, 1% Secant, 0.51"/min (13mm/min)	164,000 (1,130)	psi (MPa)	ASTM D-790B
Deflection Temp. Under Load, 66psi (455kPa), Unannealed	198 (92)	°F (°C)	ASTM D-648
Notched Izod Impact Strength, 73° F (23°C)	No Break	ft-lbf/in	ASTM D-256A
Notched Izod Impact Strength, 0° F (-18°C)	1.7 (89)	ft-lbf/in (J/m)	ASTM D-256A
Gardner Impact, -20° F (-29°C), 0.125" (3.18mm) Geometry GC	292 (33)	In-lb (J)	ASTM D-5420

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

Rev. Data 04/06/2023

