



VINPOL™ PI340N

Impact Copolymer Polypropylene

Melt Flow: 34

Density: 0.903

VINPOL PI340N is a low gloss, high impact, nucleated polypropylene copolymer, designed for high speed injection molding applications and/or compounding. This grade is FDA certified, per 21CFR177.1520.

Resin Property	Typical Value	Units	Test Method
Melt Flow, 2.16kg at 230°C	34	g/10 min	ASTM D-1238
Density	0.903	g/cm³	ASTM D-792
Tensile Strength at Yield, 2"/min (51mm/min), IM sample	3,900 (26.9)	psi (MPa)	ASTM D-638
Tensile Strength at Break, 2"/min (51mm/min), IM sample	2,785 (19)	psi (MPa)	ASTM D-638
Elongation at Yield, 2"/min (51mm/min)	5	%	ASTM D-638
Elongation at Break, 2"/min (51mm/min)	130	%	ASTM D-638
Flexural Modulus, 1% Secant	173,400 (1,195)	psi (MPa)	ASTM D-790A
Heat Deflection Temp., 66psi (455KPa)	223 (106)	°F (°C)	ASTM D-648
Heat Deflection Temp., 264psi (1,820KPa)	135 (57)	°F (°C)	ASTM D-648
Vicat Softening Point	304 (151)	°F (°C)	ASTM D-1525
Brittleness Temperature	-22 to -4 (-30 to -20)	°F (°C)	ASTM D-746
Notched Izod Impact Strength, 73° F (23°C)	2.8 (14.7)	ft-lbf/in (kJ/m²)	ASTM D-256
Notched Izod Impact Strength, -4° F (-20°C)	1.2 (6.2)	ft-lbf/in (kJ/m²)	ASTM D-256
Instrumented Impact Strength, 73° F (23°C)	Ductile		ASTM D-3763
Instrumented Impact Strength, -4° F (-20°C)	Ductile		ASTM D-3763
Gloss, 60°	69		ASTM D-2457
Shrinkage, 73°F (23°C), in/in	MD (1.53)/TD (1.63)	%	ASTM D-955
UL, 1.5mm & 3.0mm, no color	HB		UL94
Hardness	89	Rockwell R	ASTM D-785

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.

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