

## 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/cm <sup>3</sup>	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/m <sup>2</sup> )	ASTM D-256
Notched Izod Impact Strength, -4° F (-20°C)	1.2 (6.2)	ft-lbf/in (kJ/m <sup>2</sup> )	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

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