



VINPOL™ PH350NS

Homopolymer Polypropylene

Melt Flow: 35.0

Density: 0.900

VINPOL PH350NS is a nucleated and anti-static, high melt polypropylene homopolymer suitable for injection molding applications, such as consumer products, housewares, medical components and thin-wall rigid packaging. Benefits include high flow rate, fast cycle times, good molding performance in thin wall parts, low static charge and good toughness. This material meets FDA 21CFR177.1520.

Resin Property	Typical Value	Units	Test Method
Melt Flow, I ₂ @ 230°C	35.0	g/10 min	ASTM D-1238
Density	0.900	g/cm ³	ASTM D-792
Tensile Strength at Yield, 2 in/min (51 mm/min)	5,750 (40)	psi (MPa)	ASTM D-638
Tensile Strength at Break, 2 in/min (51 mm/min)	4,830 (33)	Psi (MPa)	ASTM D-638
Elongation at Yield, 2 in/min (51mm/min)	7	%	ASTM D-638
Elongation at Break, 2 in/min (51mm/min)	14.7	%	ASTM D-638
Flexural Modulus, 1% Secant	282,000 (1,943)	psi (MPa)	ASTM D-790A
Hardness	108	Rockwell R	ASTM D-785
Notched Izod Impact Strength, 73°F (23°C)	0.55 (2.86)	ft-lb/in (kJ/m ²)	ASTM D-256
Deflection Temperature Under Load, 66 psi	257 (125)	°F (°C)	ASTM D-648
Haze, 23°C, 50 mil (1.3mm) plaque	52	%	ASTM D-1003
Gloss, 60°	91		ASTM D-2457

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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