VPA
vinmar polymers america

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

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