



VINPOL™ PH210NS

Homopolymer Polypropylene

Melt Flow: 20

Density: 0.90

VINPOL PH210NS is a nucleated, medium flow rate homopolymer polypropylene with anti-static properties. It is designed for injection molding applications and is compliant with FDA 21 CFR 177.1520 (C).

Resin Property	Typical Value	Units	Test Method
Melt Flow, I2 @ 230°C	20	g/10 min	ASTM D-1238
Density	0.90	g/cm ³	ASTM D-792
Tensile Strength at Yield (2 in/min, 51 mm/min)	5,590 (38.5)	psi (MPa)	ASTM D-638
Elongation at Yield (2 in/min, 51 mm/min)	7.7	%	ASTM D-638
Flexural Modulus, 1% Secant, 0.051 in/min (1.3 mm/min)	271,000 (1,870)	psi (MPa)	ASTM D-790A
Flexural Modulus, 1% Secant, 0.51 in/min (13 mm/min)	310,000 (2,140)	psi (MPa)	ASTM D-790B
Notched Izod Impact Strength, 73°F (23°C)	0.52 (28)	ft-lb/in (J/m)	ASTM D-256A

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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Rev. Date 09/26/2018