



VINPOL™ PH120NS

Homopolymer Polypropylene

Melt Flow: 12

Density: 0.90

VINPOL PH120NS is a homopolymer polypropylene designed for injection molding and contains nucleating and antistatic agents. Typical applications include consumer and healthcare products. This product meets requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520 (c) 1.1a.

Resin Property	Typical Value	Units	Test Method
Melt Flow, I2 @ 230°C	12	g/10 min	ASTM D-1238
Density	0.9	g/cm ³	ASTM D-792
Melting Temperature Range	160-165 (320-329)	°C (°F)	ASTM D-3418
Tensile Strength at Yield	5,500 (38)	psi (MPa)	ASTM D-638
Elongation at Yield	7	%	ASTM D-638
Flexural Modulus, 1% Secant	231,000 (1,590)	psi (MPa)	ASTM D-790
Notched Izod Impact Strength, 73°F (23°C)	0.5 (30)	ft-lb/in (J/m)	ASTM D-256
Gardner Impact, 73°F (23°C)	45 (5)	in-lb (J)	ASTM D-5420
Heat Deflection Temperature, 66 psi	219 (104)	°F (°C)	ASTM D-648
Rockwell Hardness	108	R Scale	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.