



VINPOL™ PH650N

Homopolymer Polypropylene

Melt Flow: 65

Density: 0.90

VINPOL PH650N is a high melt flow, nucleated homopolymer polypropylene in pellet form. This resin is used in high speed injection molded thin-walled parts and food containers, as well as a base resin for compounded applications requiring high flow and high stiffness. This product meets requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520 (a)(1)(i) and (c)1.1a. It also meets FDA criteria in 21 CFR 177.1520 for food contact applications, including cooking, listed under conditions of use A through H in 21 CFR 176.170(c), Table 2, and can be used in contact with all food types as listed in 21 CFR 176.170(c), Table 1.

*Resin Property	Typical Value	Units	Test Method
Melt Flow, I2 @ 230°C	65	g/10 min	ASTM D-1238
Density	0.90	g/cm ³	ASTM D-792
Tensile Strength at Yield, 50 mm/min	6,100 (42)	psi (MPa)	ASTM D-638
Elongation at Yield, 50 mm/min	6	%	ASTM D-638
Flexural Modulus, 1% Secant, 1.3 mm/min	290,000 (2,000)	psi (MPa)	ASTM D-790A
Notched Izod Impact Strength, 73°F (23°C)	0.3 (16)	ft-lb/in (J/m)	ASTM D-256
Deflection Temp. Under Load, 66psi, Unannealed	270 (132)	°F (°C)	ASTM D-648

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.