



VINPOL™ PH170

Homopolymer Polypropylene

Melt Flow: 17

Density: 0.90

VINPOL PH170 is a homopolymer polypropylene with a narrow molecular weight distribution, designed for woven & non-woven applications, including staple fiber, continuous filament yarn and high tenacity yarn. This product contains no peroxide or peroxide decomposition byproducts, and it is an anti-gas fading product.

Resin Property	Typical Value	Units	Test Method
Melt Flow, I2 @ 230°C	17	g/10 min	ASTM D-1238
Density	0.90	g/cm ³	ASTM D-792
Tensile Stress at Yield	4,980 (34)	psi (MPa)	ASTM D-638
Tensile Strain at Break	>100	%	ASTM D-638
Flexural Modulus	228,000 (1,570)	psi (MPa)	ASTM D-790
Notched Izod Impact Strength, 73°F (23°C)	0.4 (21)	ft-lb/in (J/m)	ASTM D-256
Heat Deflection Temperature, 4.6 kgf/cm ²	261 (127)	°F (°C)	ASTM D-648
Vicat Softening Point	311 (155)	°F (°C)	ASTM D-1525

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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