



VINPOL™ PH005

Homopolymer Polypropylene

Melt Flow: 0.5

Density: 0.9

VINPOL PH005 is a homopolymer polypropylene designed for sheet extrusion. It has high strength, heat resistance and transparency. Applications include flat sheet items such as binders, stationary files and food packaging and industrial tray vacuum forming.

Resin Property	Typical Value	Units	Test Method
Melt Flow: 0.7	0.5	g/10 min	ASTM D-1238
Density	0.9	g/cm ³	ASTM D792
Tensile Strength at Yield	5,260 (36)	psi (MPa)	ASTM D-638
Tensile Strain at Break	>100	%	ASTM D-638
Flexural Modulus, 1% Secant (1.3mm/min)	228,000 (1,570)	psi (MPa)	ASTM D-790
Notched Izod Impact Strength, 23° C	0.92 (49)	ft-lb/in (J/m)	ASTM D-256
Notched Izod Impact Strength, -10° C	0.46 (25)	ft-lb/in (J/m)	ASTM D-256
Heat Deflection Temperature (4.6 kgf/cm ²)	105	° 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.

Vinmar Polymers America, LLC / 16825 Northchase Drive, Suite 1400, Houston, TX 77060
Phone: 281-902-0900 Fax: 281-260-8096

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