



VINPOL™ PH040

Homopolymer Polypropylene

Melt Flow: 4

Density: 0.9

VINPOL PH040 is a homopolymer polypropylene designed for extrusion of slit tape, raffia, monofilament, sheet and general purpose injection molding. It has a broad molecular weight distribution and meets requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

Resin Property	Typical Value	Units	Test Method
Melt Flow, I2 @ 230°C	4	g/10 min	ASTM D-1238
Density	0.9	g/cm ³	ASTM D-4883
Tensile Stress at Yield	5,000 (34.5)	psi (MPa)	ASTM D-638
Tensile Strain at Break	>500	%	ASTM D-638
Flexural Modulus	215,000 (1,480)	psi (MPa)	ASTM D-790
Notched Izod Impact Strength, 73°F (23°C)	0.7 (37.4)	ft-lb/in (J/m)	ASTM D-256
Rockwell Hardness	103	R Scale	ASTM D-785
Heat Deflection Temperature, 4.6 kgf/cm ²	226 (108)	°F (°C)	ASTM D-648
Vicat Softening Point	304 (151)	°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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