



## VINPOL™ PI040K

### Impact Copolymer Polypropylene

Melt Flow: 4

Density: 0.9

**VINPOL PI040K** is an impact copolymer polypropylene that exhibits very high flexibility and strength. This resin is considered “no break.” Meets all requirements of the U. S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles and components of articles intended for direct food contact.

Resin Property*	Typical Value	Units	Test Method
Melt Flow (230°C/2.16 kg)	4	g/10 min	ASTM D-1238
Density	0.9	g/cm <sup>3</sup>	Supplier Method
Tensile Strength at Yield, 50 mm/min	3,640 (25)	psi (MPa)	ASTM D-638
Elongation at Yield, 50 mm/min	7	%	ASTM D-638
Flexural Modulus, 1% Secant, 1.3 mm/min	160,000 (1,100)	psi (MPa)	ASTM D-790
Notched Izod Impact Strength, 73°F (23°C)	No Break	ft-lb/in	ASTM D-256

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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