



VINPOL™ PI005K

Impact Copolymer Polypropylene

Melt Flow: 0.5

Density: 0.9

VINPOL PI005K is an impact block copolymer polypropylene designed for extruded sheet thermoforming, blow molding and vacuum molding applications. It has good impact resistance at low temperatures. It meets 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	0.5	g/10 min	ASTM D-1238
Density	0.9	g/cm ³	ASTM D-792
Tensile Strength at Yield	4,120 (28)	psi (MPa)	ASTM D-638
Elongation at Break	>100	%	ASTM D-638
Flexural Modulus, 1% Secant	171,000 (1,180)	psi (MPa)	ASTM D-790
Notched Izod Impact Strength, 73°F (23°C)	No Break	ft-lb/in	ASTM D-256
Notched Izod Impact Strength, 14°F (-10°C)	0.827 (44)	ft-lb/in (J/m)	ASTM D-256
Heat Deflection Temperature, 4.6 kgf/cm ²	212 (100)	°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.

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

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