



VINPOL™ PI020K

Impact Copolymer Polypropylene

Melt Flow: 1.5

Density: 0.900

VINPOL PI020K is a low flow, high impact copolymer polypropylene designed for improved toughness and high melt strength. This resin offers outstanding processability in combination with excellent mechanical properties. Typical applications include corrugated sheet, profile extrusion, blow molding, thermoforming, and slit film for carpet backing applications. This material 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	1.5	g/10 min	ASTM D-1238
Density	0.905	g/cm ³	ASTM D-1505
Tensile Strength at Yield, 2 in/min	4,000 (28)	psi (MPa)	ASTM D-638
Elongation at Yield	6.5	%	ASTM D-638
Flexural Modulus	180,000 (1,240)	psi (MPa)	ASTM D-790
Notched Izod Impact Strength, 73°F (23°C)	No Break	ft-lb/in (J/m)	ASTM D-256A
Heat Deflection Temperature	203 (95)	°F (°C)	ASTM D-648
Melting Temperature	320-329 (160-165)	°F (°C)	Supplier Method

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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