



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

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