



VINPOL™ PI280

Impact Copolymer Polypropylene

Melt Flow: 28

Density: 0.91

VINPOL PI280 is an impact copolymer polypropylene designed for injection molding applications. It has high stiffness, good impact performance, processability and appearance. Targeted applications include large electrical and electronics items, W/M and TWIM articles. This resin is compliant with 21 CFR 177.1520.

Resin Property	Typical Value	Units	Test Method
Melt Flow	28	g/10 min	ASTM D-1238
Density	0.91	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	220,000 (1,520)	psi (MPa)	ASTM D-790
Heat Deflection Temperature, 4.6 kgf/cm ²	248 (120)	°F (°C)	ASTM D-648
Notched Izod Impact Strength, 73° F (23°C)	1.47 (78)	ft-lb/in (J/m)	ASTM D-256
Notched Izod Impact Strength, 32° F (0°C)	0.92 (49)	ft-lb/in (J/m)	ASTM D-256
Notched Izod Impact Strength, -4° F (-20°C)	0.73 (39)	ft-lb/in (J/m)	ASTM D-256
Rockwell Hardness	90	R	ASTM D-785

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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