



VINPOL™ PI270

Impact Copolymer Polypropylene

Melt Flow: 27

Density: 0.90

VINPOL PI270 is an impact copolymer polypropylene with high ethylene content and designed for injection molding applications and as a base resin for compounding. It has good impact performance and high tensile strength. Targeted applications include home appliances and other general molded articles, as well as a base resin for automotive compounds. This resin is compliant with 21 CFR 177.1520 (C).

Resin Property	Typical Value	Units	Test Method
Melt Flow	27	g/10 min	ASTM D-1238
Density	0.90	g/cm ³	ASTM D-792
Tensile Strength at Yield	3,270 (23)	psi (MPa)	ASTM D-638
Elongation at Break	>100	%	ASTM D-638
Flexural Modulus	178,000 (1,230)	psi (MPa)	ASTM D-790
Heat Deflection Temperature, 4.6 kgf/cm ²	221 (105)	°F (°C)	ASTM D-648
Notched Izod Impact Strength, 73° F (23°C)	1.84 (98)	ft-lb/in (J/m)	ASTM D-256
Notched Izod Impact Strength, 14° F (-10°C)	0.92 (49)	ft-lb/in (J/m)	ASTM D-256
Rockwell Hardness	95	R	ASTM D-785
Flammability	HB		UL94

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.