



## VINPOL™ PI450

### Impact Copolymer Polypropylene

Melt Flow: 45

Density: 0.90

**VINPOL PI450** is a high impact block copolymer with high ethylene-propylene rubber content and designed for injection molding applications. It has a high melt flow, controlled rheology and a good balance of strength, impact resistance and processability. Target applications include molded general and industrial articles as well use as an automotive compound base resin.

Resin Property	Typical Value	Units	Test Method
Melt Flow	45	g/10 min	ASTM D-1238
Density	0.90	g/cm <sup>3</sup>	ASTM D-792
Tensile Stress at Yield	3,700 (25)	kgf/cm <sup>2</sup> (MPa)	ASTM D-638
Tensile Strain at Break	>50	%	ASTM D-638
Flexural Modulus	213,000 (1,470)	psi (MPa)	ASTM D-790
Notched Izod Impact Strength, 23° C	1.5 (80)	ft-lb/in (J/m)	ASTM D-256
Notched Izod Impact Strength, -10° C	0.64 (34)	ft-lb/in (J/m)	ASTM D-256
Heat Deflection Temperature (@ 65 psi)	257 (125)	°F (°C)	ASTM D-785
Flammability	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.

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