



VINPOL™ PI200K

Impact Copolymer Polypropylene

Melt Flow: 20

Density: 0.90

VINPOL PI200K is an impact copolymer polypropylene designed for injection molding and as a base resin for compounding applications. It has a good combination of impact performance, stiffness and dimensional stability. Targeted applications include electrical appliances, battery cases, automotive parts and other containers. This product meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR177.1520, covering safe use of polyolefin articles and components of articles intended for direct food contact.

Resin Property	Typical Value	Units	Test Method
Melt Flow	20	g/10 min	ASTM D-1238
Density	0.90	g/cm ³	ASTM D-792
Tensile Strength at Yield	3,120 (21.5)	psi (MPa)	ASTM D-638
Elongation at Break	<300	%	ASTM D-638
Flexural Modulus (1% Secant, Inj. Molded)	142,000 (979)	psi (MPa)	ASTM D-790
Heat Deflection Temperature (4.6 kgf/cm ²)	110 (230)	°C (°F)	ASTM D-648
Notched Izod Impact Strength, 23° C	>9.2 (No Break)	ft-lb/in	ASTM D-256
Notched Izod Impact Strength, -20° C	1.3 (69)	ft-lb/in (J/m)	ASTM D-256
Rockwell Hardness	72	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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