



VINPOL™ PI200KI

Impact Copolymer Polypropylene

Melt Flow: 20

Density: 0.894

VINPOL PI20K is a high melt flow impact copolymer polypropylene for injection molding applications. It has high impact resistance and good stiffness. This resin complies with U.S. FDA 21 CFR 177.1520.

Resin Property	Typical Value	Units	Test Method
Melt Flow	20	g/10 min	ASTM D-1238
Density	0.894	g/cm ³	ASTM D-792
*Tensile Strength at Yield, 2 in/min	3,065 (21)	psi (MPa)	ASTM D-638
*Elongation at Yield	7.9	%	ASTM D-638
*Tensile Strength at Break, 2 in/min	2,345 (16)	psi (MPa)	ASTM D-638
*Elongation at Break	332	%	ASTM D-638
*Flexural Modulus, 1% Secant	132,286 (912)	psi (MPa)	ASTM D-790A
*Notched Izod Impact Strength, 73°F (23°C)	No Break	ft-lb/in	ASTM D-256
*Notched Izod Impact Strength, -4°F (-20°C)	1.7 (8.8)	ft-lb/in (KJ/m ²)	ASTM D-256
*Heat Deflection Temperature, 66psi	180 (82)	°F (°C)	ASTM D-648
*Heat Deflection Temperature, 264psi	119 (49)	°F (°C)	ASTM D-648
*Vicat Softening Point	289 (143)	°F (°C)	ASTM D-1525
*Gloss at 60° Angle	83	GU	ASTM D-2457
*Rockwell Hardness	62	R	ASTM D-785

**Properties measured on injection molded samples*

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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