



VINPOL™ PI110

Impact Copolymer Polypropylene

Melt Flow: 10

Density: 0.91

VINPOL PI110 is a high impact copolymer polypropylene designed for general purpose injection molding and compounding applications. Targeted applications include battery cases, electrical appliances and as a based resin for compounded products.

Resin Property	Typical Value	Units	Test Method
Melt Flow	10	g/10 min	ASTM D-1238
Density	0.91	g/cm ³	ASTM D-1505
Tensile Strength at Yield	3,840 (26.5)	psi (MPa)	ASTM D-638
Tensile Elongation at Break	>500	%	ASTM D-638
Flexural Modulus	178,000 (1,230)	psi (MPa)	ASTM D-790
Notched Izod Impact Strength, 25° C	4.0 (216)	ft-lb/in (J/m)	ASTM D-256
Notched Izod Impact Strength, -20° C	0.8 (44)	ft-lb/in (J/m)	ASTM D-256
Heat Deflection Temperature	252 (122)	°F (°C)	ASTM D-648
Vicat Softening Point	306 (152)	°F (°C)	ASTM D-1525
Melting Point	329 (165)	°F (°C)	ASTM D-3418
Rockwell Hardness	90	R Scale	ASTM D-785
Mold Shrinkage	1.4-1.8	%	Supplier Method

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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