



VINPOL™ PI090

Impact Copolymer Polypropylene

Melt Flow: 9

Density: 0.91

VINPOL PI090 is an impact block copolymer polypropylene designed for injection molding applications. It has an excellent balance of high stiffness and impact strength, and it also demonstrates good heat sealing performance and easy part release. Applications include battery cases, toys, boxes and electrical and electronics parts.

Resin Property*	Typical Value	Units	Test Method
Melt Flow (230°C/2.16 kg)	9	g/10 min	ASTM D-1238
Density	0.91	g/cm ³	ASTM D-1505
Tensile Strength at Yield	4,270 (29)	psi (MPa)	ASTM D-638
Elongation at Break	>150	%	ASTM D-638
Flexural Modulus	192,000 (1,320)	psi (MPa)	ASTM D-790
Notched Izod Impact Strength, 23° C (73°F)	1.84 (98)	ft-lb/in (J/m)	ASTM D-256
Notched Izod Impact Strength, 0° C (32°F)	1.1 (59)	ft-lb/in (J/m)	ASTM D-256
Notched Izod Impact Strength, -20° C (4°F)	0.92 (49)	ft-lb/in (J/m)	ASTM D-256
Heat Distortion Temperature	230 (110)	°F (°C)	ASTM D-648
Rockwell Hardness	85	R Scale	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.

Vinmar Polymers America, LLC / 16825 Northchase Drive, Suite 1400, Houston, TX 77060
Phone: 281-902-0900 Fax: 281-260-8096

Rev. Date 09/26/2018

