



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

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