

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

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