



VinPol™ PI1000

Impact Copolymer Polypropylene

Melt Flow: 100

Density: 0.91

VINPOL PI1000 is a high flow, reactor produced, impact copolymer polypropylene designed for injection molding applications and as a base resin for compounding. It has high rigidity and impact strength, as well as low shrinkage for an impact copolymer. Targeted applications include large electrical and electronics articles & TWIM containers, as well as a base resin for E&E and automotive compounds. This resin is compliant with FDA 21 CFR 177.1520 (C).

Resin Property	Typical Value	Units	Test Method
Melt Flow	100	g/10 min	ASTM D-1238
Density	0.91	g/cm ³	ASTM D-1505
Tensile Strength at Yield	4,550 (31)	psi (MPa)	ASTM D-638
Elongation at Break	<50	%	ASTM D-638
Flexural Modulus	256,000 (1,765)	psi (MPa)	ASTM D-790
Notched Izod Impact Strength, 23° C	0.73 (39)	ft-lb/in (J/m)	ASTM D-256
Notched Izod Impact Strength, 0° C	0.55 (29)	ft-lb/in (J/m)	ASTM D-256
Notched Izod Impact Strength, -20° C	0.46 (24)	ft-lb/in (J/m)	ASTM D-256
Heat Distortion Temperature	261 (127)	°F (°C)	ASTM D-648
Rockwell Hardness	95	R Scale	ASTM D-785

