



## VINPOL™ PI500

### Impact Copolymer Polypropylene

Melt Flow: 50

Density: 0.9

**VINPOL PI500** is an injection molding grade, high impact copolymer polypropylene. It is designed for large consumer and industrial parts, automotive parts, household goods, containers and tools and tote boxes requiring high melt flow. It has a good balance of stiffness and toughness, fast molding, good colorability, mold release, surface finish and thermal stability.

Resin Property	Typical Value	Units	Test Method
Melt Flow	50	g/10 min	ASTM D-1238
Density	0.900	g/cm <sup>3</sup>	Supplier Method
Tensile Strength at Yield, 2.0 in/min (51 mm/min)	2,900 (20)	psi (MPa)	ASTM D-638
Elongation at Yield, 2.0 in/min (51 mm/min)	4.6	%	ASTM D-638
Flexural Modulus, 1% Secant, 0.051 in/min (1.3 mm/min)	160,500 (1,110)	psi (MPa)	ASTM D-790A
Notched Izod Impact Strength, 73° F (23°C)	2.1 (110)	ft-lb/in (J/m)	ASTM D-256A
Deflection Temp. Under Load (DTUL) (66psi, Unannealed)	213 (100)	°F (°C)	ASTM D-648

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