



VinPol™ PI800NS

Impact Copolymer Polypropylene

Melt Flow: 80

Density: 0.90

VINPOL PI800NS is an impact copolymer polypropylene designed for thin-wall injection molding applications requiring high flow and excellent low temperature impact resistance. Targeted applications include consumer products and rigid packaging, such as housewares, sports equipment, leisure and toy parts and TWIM food containers. This product contains anti-stat and nucleating additives.

Resin Property	Typical Value	Units	Test Method
Melt Flow	80	g/10 min	ASTM D-1238
Density	0.90	g/cm ³	ASTM D-792
Tensile Strength at Yield, 2 in/min (50 mm/min)	3,100 (21)	psi (MPa)	ASTM D-638
Tensile Elongation at Yield	5	%	ASTM D-638
Flexural Modulus, 1% Secant, 0.05 in/min (1.3 mm/min), Procedure A	155,000 (1,070)	psi (MPa)	ASTM D-790
Notched Izod Impact Strength, 73° F (23°C)	2.2 (117)	ft-lbf/in (J/m)	ASTM D-256A
Deflection Temp. Under Load (DTUL), 66psi (455kPa)	212 (100)	°F (°C)	ASTM D-648

