

VINPOL™ PI800

Impact Copolymer Polypropylene

Melt Flow: 80

Density: 0.895

VINPOL PI800 is an impact copolymer polypropylene designed for compounds and high speed injection molding suitable for thin walled parts with very short molding cycles. This resin has excellent low temperature impact strength. This resin complies with U.S. FDA 21 CFR 177.1520.

Resin Property	Typical Value	Units	Test Method
Melt Flow	80	g/10 min	ASTM D-1238
Density	0.895	g/cm ³	ASTM D-792
Tensile Strength at Yield	2,760 (19)	psi (MPa)	ASTM D-638
Tensile Elongation at Yield	7	%	ASTM D-638
Flexural Modulus, 1% Secant, Injection Molded	131,000 (900)	psi (MPa)	ASTM D-790
Notched Izod Impact Strength, 73° F (23°C)	3 (160)	ft-lbf/in (J/m)	ASTM D-256
Notched Izod Impact Strength, -4° F (-20°C)	1.1 (59)	ft-lbf/in (J/m)	ASTM D-256
Deflection Temp. Under Load (DTUL), 66psi (455kPa)	196 (91)	°F (°C)	ASTM D-648
Deflection Temp. Under Load (DTUL), 264psi (1,820kPa)	126 (63)	°F (°C)	ASTM D-648
Vicat Softening Point at 10N	279 (137)	°F (°C)	ASTM D-1525
Hardness	43	Rockwell R	ASTM D-785

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