



VINPOL™ PI550NS

Impact Copolymer Polypropylene

Melt Flow: 55

Density: 0.9

VINPOL PI550NS is a nucleated, medium impact copolymer polypropylene with anti-static additive, designed for fast crystallization for shorter molding cycles, a good stiffness/impact balance (at low temperatures) and high dimensional stability. Applications include housewares, appliances, toys and optical media pkg. This resin is compliant with FDA 21 CFR 177.1520.

Resin Property	Typical Value	Units	Test Method
Melt Flow	55	g/10 min	ASTM D-1238
Density	0.9	g/cm ³	ASTM D-792
Tensile Strength at Yield	3,770 (26)	psi (MPa)	ASTM D-638
Elongation at Yield	5	%	ASTM D-638
Flexural Modulus, Secant, Injection Molded	189,950 (1,310)	psi (MPa)	ASTM D-790
Heat Deflection Temp., 0.455 MPa	230 (110)	°F (°C)	ASTM D-648
Notched Izod Impact Strength, 73° F (23°C)	1.1 (59)	ft-lb/in (J/m)	ASTM D-256A

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