

VINPOL™ PI800NST

Impact Copolymer Polypropylene

Melt Flow: 80

Nucleated, Anti-Stat

VINPOL PI800NST is a high flow impact copolymer designed for large part and/or complex geometry, thin-wall injection molding applications and as a base polymer for compounding. This product is nucleated and contains anti-static additive. Articles made with this product have an excellent balance of rigidity and impact strength, as well as long-term heat resistance. Typical applications include large electrical and electronics articles, as a base resin for automotive, E&E and other PP compounds, thin-walled containers and housewares. This resin is compliant with FDA 21 CFR 177.1520.

Resin Property	Typical Value	Units	Test Method
Melt Flow, 230°C	80	g/10 min	ISO 1133
Tensile Stress at Yield, 50 mm/min	29	MPa	ISO 527
Tensile Strain at Yield, 50 mm/min	3	%	ISO 527
Tensile Strain at Break, 50 mm/min	<50	%	ISO 527
Flexural Modulus, 2.0 mm/min	1,650	MPa	ISO 178
Heat Deflection Temp., 0.45MPa (HDT/B)	100	°C	ISO 75
Notched Izod Impact Strength, 23°C	4.5	KJ/m ²	ISO 180
Notched Izod Impact Strength, 0°C	3.5	KJ/m ²	ISO 180
Notched Izod Impact Strength, -20°C	3.0	KJ/m ²	ISO 180
Charpy Impact Strength (Notched), 23°C	4.0	KJ/m ²	ISO 179
Charpy Impact Strength (Notched), 0°C	3.0	KJ/m ²	ISO 179
Charpy Impact Strength (Notched), -20°C	2.5	KJ/m ²	ISO 179

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