



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

Vinmar Polymers America cannot anticipate or control the many different conditions under which this information and/or product may be used. It does not guarantee the applicability or the accuracy of this information or the suitability of its products in any given situation. User of the material should make their own tests to determine the suitability of each such product for their particular purposes. The data listed herein falls within the normal range of product properties, but they should not be used to establish specification limits or used alone as the basis of design.

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