



VinPol™ PI080NS

Impact Copolymer Polypropylene

Melt Flow: 7

Density: 0.905

VINPOL PI080NS is a nucleated, high impact copolymer polypropylene designed for injection molding applications. It has good processability and contains antistat. Applications include baskets, pails, toys, and any articles requiring extra toughness. This material meets requirements of the U. S. Food and Drug Administration as specified in 21 CFR 177.1520.

Resin Property*	Typical Value	Units	Test Method
Melt Flow (230°C/2.16 kg)	7	g/10 min	ASTM D-1238
Density	0.905	g/cm ³	Supplier Method
Tensile Strength at Yield	3,800 (26.2)	psi (MPa)	ASTM D-638
Elongation at Yield	7.0	%	ASTM D-638
Flexural Modulus	170,000 (1,170)	psi (MPa)	ASTM D-790
Notched Izod Impact Strength, -4°F (-°F)	1.4 (75)	ft-lb/in (J/m)	ASTM D-256
Notched Izod Impact Strength, 73°F (23°C)	3.5 (190)	ft-lb/in (J/m)	ASTM D-256
Vicat Softening Temperature	298 (148)	°F (°C)	ASTM-D1525
Melting Temperature	320-329 (160-165)	°F (°C)	Supplier Method
Heat Deflection Temperature	194 (90)	°F (°C)	ASTM D-648

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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