



VINPOL™ PS1002

High Impact Polystyrene

Melt Flow: 10.0

Notched Izod: 2

VINPOL PS1002 is a high impact polystyrene designed for injection molding applications, such as electronic items and toys. It possesses high flow, high impact, high productivity, and easy processability. This product meets requirements of the U. S. Food and Drug Administration as specified in 21 CFR 177.1640. This product also has a UL 94 HB flammability rating.

Resin Property	Typical Value	Units	Test Method
Melt Flow Rate, (200 °C/5.0kg)	10.0	g/10 min	ASTM D-1238
Density	1.04	g/cm ³	ASTM D-792
Tensile Strength, Break	2,200 (15)	Psi (MPa)	ASTM D-638
Tensile Modulus	290,000 (2,000)	psi (MPa)	ASTM D-638
Break Elongation	50	%	ASTM D-638
Notched Izod Impact	2.2 (117)	ft-lb/in (J/m)	ASTM D-256
Flammability	HB	-	UL 94
Vicat Softening Temperature	176 (80)	°F (°C)	ASTM D-1525
Heat Distortion Temperature @ 264 psi (Unannealed)	163 (73)	°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.

Vinmar Polymers America, LLC / 16825 Northchase Drive, Suite 1400, Houston, TX 77060
Phone: 281-902-0900 Fax: 281-260-8096

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