



VINPOL™ PS100

General Purpose Polystyrene

Melt Flow: 10

GPPS

VINPOL PS100 is a general purpose polystyrene with medium flow and easy processability for thin wall, complex injection molded parts. Typical applications include single service cutlery, drinkware and toys. This product meets the requirements of the U. S. Food and Drug Administration as specified in 21 CFR 177.1640.

Resin Property	Typical Value	Units	Test Method
Melt Flow Rate, (200 °C/5.0kg)	10	g/10 min	ASTM D-1238
Density	1.04	g/cm ³	ASTM D-792
Tensile Strength, Break	6,000 (41)	psi (MPa)	ASTM D-638
Tensile Modulus	512,000 (3,530)	psi (MPa)	ASTM D-638
Break Elongation	4	%	ASTM D-638
Vicat Temperature	192 (89)	°F (°C)	ASTM D-1525
HDT @ 264 PSI (Unannealed)	172 (78)	°F (°C)	ASTM D-648
Flammability 0.060 in	HB	-	UL94
Light Transmittance	90	%	ASTM D1003

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

Rev. Date 11/6/2018

