



## VINPOL™ PS090

### General Purpose Polystyrene

Melt Flow: 9.0

FDA, UL 94HB, USP  
Class II and VI

**VINPOL PS090** is a general purpose crystal polystyrene designed for injection molding and cap layer coextrusion for applications such as medical and laboratory parts, cutlery tumblers and jewel boxes. This product meets requirements of the U. S. Food and Drug Administration as specified in 21 CFR 177.1640 and is USP Class II and VI compliant. It also meets Underwriters Laboratory 94HB flammability performance.

Resin Property	Typical Value	Units	Test Method
Melt Flow Rate, (200 °C/5.0kg)	9.0	g/10 min	ASTM D-1238
Density	1.04	g/cm <sup>3</sup>	Supplier Method
Tensile Strength	6,700	psi	ASTM D-638
Tensile Modulus	440,000	psi	ASTM D-638
Flexural Strength	13,500	psi	ASTM D-790
Flexural Modulus	450,000	psi	ASTM D-790
Vicat Softening Temperature	213	°F	ASTM D-1525
Heat Distortion Temperature (Annealed)	200	°F	ASTM D648
Linear Shrinkage	0.004-0.007	in/in	ASTM D-955
Moisture	<0.1	%	Supplier Method

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 03/09/2020