



VINPOL™ PS320

General Purpose Polystyrene

Melt Flow: 32.0

Water Clear
or Blue Tint

VINPOL PS320 is a zinc-free, high melt flow, general purpose polystyrene particularly suitable for use in molding, compounding, and extrusion processes. Products made using this resin exhibit excellent clarity and gloss. This product meets all 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)	32.0	g/10 min	ASTM D-1238
Specific Gravity	1.05	g/cm ³	ASTM D-792
Tensile Strength at Yield	5,000 (35)	psi (MPa)	ASTM D-638
Tensile Modulus	435,000 (3,000)	psi (MPa)	ASTM D-638
Ultimate Elongation	<2.0	%	ASTM D-638
Izod Impact, 1/8" bar at 23°C (73°F)	<0.3	ft-lb/in	ASTM D-1525
Vicat Softening Temperature	103 (217)	°C (°F)	ASTM D-1525
Heat Deflection Temperature at 66 psi	89 (192)	°C (°F)	ASTM D-648
Mold Shrinkage	0.003-0.006	in/in	ASTM D-955

*These properties represent values on specimens prepared and performed according to ASTM testing conditions. They are intended as guidelines only.

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 01/18/2022