



VINPOL™ PS015

General Purpose Polystyrene

Melt Flow: 1.5

VINPOL PS015 is a crystal, general purpose polystyrene resin with high gloss and transparency. It has good dimensional stability, high heat resistance and is recommended for foam processing as well as a blend component with high impact polystyrene. This product is compliant with FDA 21 CFR 177.1640.

Resin Property	Typical Value	Units	Test Method
Melt Flow Rate, 200°C/5.0kg	1.5	g/10 min	ASTM D-1238
Density	1.04	g/cm ³	ASTM D-792
Tensile Modulus	425,000 (3,250)	psi (MPa)	ASTM D-638
Tensile Modulus at Break	7,700 (52)	psi (MPa)	ASTM D-638
Elongation at Break	2	%	ASTM D-638
¹ Notched Izod Impact, 23°C	0.35 (19)	ft-lb/in (J/m)	ASTM D-256A
² Vicat Softening Temperature, B/50	221 (105)	°F (°C)	ASTM D-1525
³ Heat Deflection Temperature, 264 psi	196 (91)	°F (°C)	ASTM D648
Water Absorption	0.03	%	ASTM D-570

¹Injection molded test specimen 63/12.6/3.5 mm (C/L/E); Notch cutting radius 0.25R +/- 0.05; Depth 2.54 mm.

²Test performed with weight of 5kg and heating 50°C /h.

³Test specimen molded by injection of 128/13/6,3 mm (C/L/E). Test Load of 264 psi.

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 4/18/2019

