



VINPOL™ PS016H

General Purpose High Heat Polystyrene

Melt Flow: 1.6

Standard Tint Only

VINPOL PS016H is a high molecular weight, high heat crystal, general purpose polystyrene resin designed for direct injection foam applications. This product has higher melt strength than similar high heat crystal PS resins in its melt flow range which allows converting at reduced weight in foam applications. Typical applications include disposable foam items, foam graphic art and insulation boards and OPS disposables. This product is compliant with FDA 21 CFR 177.1640.

Resin Property	Typical Value	Units	Test Method
Melt Flow Rate, 200°C/5.0kg	1.6	g/10 min	ASTM D-1238
Density	1.04	g/cm ³	ASTM D-792
Tensile Modulus	440,000 (3,030)	psi (MPa)	ASTM D-638
Tensile Strength	7,700 (53)	psi (MPa)	ASTM D-638
Flexural Strength	15,100 (104)	psi (MPa)	ASTM D-790
Flexural Modulus	490,000 (3,380)	psi (MPa)	ASTM D-790
Vicat Softening Temperature	225 (107)	°F (°C)	ASTM D-1525
Heat Distortion - Annealed	211 (99.4)	°F (°C)	ASTM D648
Water Absorption	<0.1	%	Supplier Method
Linear Shrinkage	0.004-0.007	In/in	ASTM D-955

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.

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