



VINPOL™ PS110H

General Purpose Polystyrene

Melt Flow: 11

Standard & Water Clear
Tints

VINPOL PS110H is a medium flow, high heat crystal polystyrene designed for use in foaming applications. This product has a very narrow molecular weight distribution that provides excellent performance in extruded loose fill foam applications. This product complies with FDA requirements as described in 21 CFR 177.1640 and is USP Class VI certified.

Resin Property	Typical Value	Units	Test Method
Melt Flow Rate, (200 °C/5.0kg)	11	g/10 min	ASTM D-1238
Density	1.04	g/cm ³	Supplier Method
Tensile Strength	6,500	psi	ASTM D-638
Tensile Modulus	440,000	psi	ASTM D-638
Flexural Strength	11,900	psi	ASTM D-638
Flexural Modulus	480,000	psi	ASTM D-638
Heat Distortion, Annealed	204	°F	ASTM D-648
Vicat Softening	222	°F	ASTM D-1525
Linear Shrinkage	0.004-0.007	in/in	ASTM D-955
Moisture	<0.1	%	Supplier Method
Flammability	HB	-	UL94

*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.

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