



VINPOL™ PS2300H

General Purpose High Heat Crystal Polystyrene

Melt Flow: 23

Standard and Water
Clear Tints

VINPOL PS2300H is a high melt flow, high heat crystal polystyrene particularly suitable for producing extrusion foam board (XPS) with blowing agents such as CO₂ and HFC. It is also well designed for use as a masterbatch carrier resin and as a modifier for thermoplastic elastomers and rubbers. This product meets all requirements of the U. S. Food and Drug Administration as specified in 21 CFR 177.1640 and is USP Class VI compliant.

Resin Property	Typical Value	Units	Test Method
Melt Flow Rate, (200 °C/5.0kg)	23	g/10 min	ASTM D-1238
Specific Gravity	1.04	g/cm ³	Supplier Method
Tensile Strength	4,000 (28)	psi (MPa)	ASTM D-638
Tensile Modulus	430,000 (2,960)	psi (MPa)	ASTM D-638
Flexural Strength	6,700 (46)	psi (MPa)	ASTM D-790
Flexural Modulus	480,000 (3,310)	psi (MPa)	ASTM D-790
Vicat Softening Temperature	222 (106)	°F (°C)	ASTM D-1525
Heat Distortion Temperature (Annealed)	204 (96)	°F (°C)	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.

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