



VINPOL™ PS0303

High Impact Polystyrene

Melt Flow: 3.0

Low Gloss

VINPOL PS0303 is a high impact polystyrene designed for the custom sheet market. It is tough, ductile and displays a rich, matte finish when converted into extruded sheet. The low gloss surface is a good choice for printing and thermoforming applications, and its impact and tensile properties position it well in deep draw, thermoforming applications. This product meets requirements of the U. S. Food and Drug Administration as specified in 21 CFR 177.1640 and is USP Class VI compliant. It also meets Underwriters Laboratory 94HB flammability performance.

Resin Property	Typical Value	Units	Test Method
Melt Flow Rate, (200 °C/5.0kg)	3.0	g/10 min	ASTM D-1238
Density	1.04	g/cm ³	Supplier Method
Tensile Strength	3,200	psi	ASTM D-638
Tensile Modulus	280,000	psi	ASTM D-638
Elongation	55	%	ASTM D-638
Flexural Strength	6,200	psi	ASTM D-790
Flexural Modulus	280,000	psi	ASTM D-790
Notched Izod Impact	2.4	ft-lb/in	ASTM D-256
Falling Dart	110	in-lb	ASTM D-3029
Vicat Softening Temperature	212	°F	ASTM D-1525
Heat Distortion Temperature (Annealed)	199	°F	ASTM D648
Gloss	63	60°	ASTM D-523
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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