



VINPOL™ PS110

General Purpose Polystyrene

Melt Flow: 11

Water Clear & Blue Tint

VINPOL PS110 is a medium flow general purpose polystyrene suitable for use in molding, compounding, and extrusion processes. Products made using this resin exhibit excellent clarity and gloss. This product meets all requirements of the U. S. Food and Drug Administration as specified in 21 CFR 177.1640.

Resin Property	Typical Value	Units	Test Method
Melt Flow Rate, (200 °C/5.0kg)	11	g/10 min	ASTM D-1238
Specific Gravity	1.05	g/cm ³	ASTM D-792
Tensile Strength at Yield	6,100	psi	ASTM D-638
Tensile Modulus	435,000	psi	ASTM D-638
Ultimate Elongation	2	%	ASTM D-638
Flexural Strength at Yield	8,400	psi	ASTM D-638
Flexural Modulus	440,000	psi	ASTM D-638
Hardness, Rockwell M	75	-	ASTM D-795
Izod Impact, 1/8" bar at 73 °F	0.4	ft-lbs/in	ASTM D-265
Mold Shrinkage	0.003-0.006	in/in	ASTM D-955
Vicat Softening Temperature	220	°F	ASTM D-1525
Heat Deflection Temperature at 66 psi	182	°F (°C)	ASTM D-648

*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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