

VINPOL™ PS140

General Purpose Polystyrene

Melt Flow: 14

Water White and Blue
Tints

VINPOL PS140 is a high melt flow crystal polystyrene designed for high speed injection molding applications such as cutlery, tumblers, and containers. It is also a good choice as a gloss capping layer as well as a masterbatch carrier or in blending with other crystal PS grades. 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)	14	g/10 min	ASTM D-1238
Density	1.04	g/cm ³	Supplier Method
Tensile Strength	6,400	psi	ASTM D-638
Tensile Modulus	450,000	psi	ASTM D-638
Flexural Strength	12,200	psi	ASTM D-790
Flexural Modulus	460,000	psi	ASTM D-790
Vicat Softening Temperature	206	°F	ASTM D-1525
Heat Distortion Temperature (Annealed)	195	°F	ASTM D648
Linear Shrinkage	0.004-0.007	in/in	ASTM D-955
Moisture	<0.1	%	Supplier Method

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