

VINPOL™ PS090LR

General Purpose Polystyrene

Melt Flow: 9.0

Low Residuals

VINPOL PS090LR is a general purpose, crystal polystyrene with low residuals designed for blending with clear elastomers for extrusion-thermoforming applications requiring low off-taste and odor. It is also well suited as a cap layer for coextrusion applications requiring a high gloss finish and injection molding applications, such as medical and laboratory parts, cutlery, tumblers and jewel boxes. It can be molded with minimal stresses and with fast cycle times. 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)	9.0	g/10 min	ASTM D-1238
Density	1.04	g/cm ³	Supplier Method
Tensile Strength	6,700	psi	ASTM D-638
Tensile Modulus	440,000	psi	ASTM D-638
Flexural Strength	13,500	psi	ASTM D-790
Flexural Modulus	450,000	psi	ASTM D-790
Vicat Softening Temperature	213	°F	ASTM D-1525
Heat Distortion Temperature (Annealed)	200	°F	ASTM D648
Linear Shrinkage	0.004-0.007	in/in	ASTM D-955
Moisture	<0.1	%	Supplier Method

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