

VINPOL™ PS080

General Purpose Polystyrene

Melt Flow: 8.0

Oil & Zinc Free

VINPOL PS080 is a general purpose crystal polystyrene with medium flow and easy processability ideal for thin wall and complex parts, suitable for injection molding and coextrusion. Typical applications include single service cutlery and drinkware, and foam board. This product meets requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1640 and does not contain oil and zinc.

Resin Property	Typical Value	Units	Test Method
Melt Flow Rate, (200 °C/5.0kg)	8.0	g/10 min	ASTM D-1238
Density	1.04	g/cm ³	Supplier Method
Tensile Modulus	432,000 (2,980)	psi (MPa)	ASTM D-638
Tensile Strength @ Break	5,800 (40)	psi (MPa)	ASTM D-638
Break Elongation	1.8	%	ASTM D-638
Vicat Softening Temperature	212 (106)	°F (°C)	ASTM D-1525
Heat Distortion Temperature (Annealed)	172 (78)	°F (°C)	ASTM D-648
Light Transmission	90	%	ASTM D-1003

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