

## VINPOL™ PS100

### General Purpose Polystyrene

Melt Flow: 10

GPPS

**VINPOL PS100** is a general purpose polystyrene with medium flow and easy processability for thin wall, complex injection molded parts. Typical applications include single service cutlery, drinkware and toys. This product meets the 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)	10	g/10 min	ASTM D-1238
Density	1.04	g/cm <sup>3</sup>	ASTM D-792
Tensile Strength, Break	6,000 (41)	psi (MPa)	ASTM D-638
Tensile Modulus	512,000 (3,530)	psi (MPa)	ASTM D-638
Break Elongation	4	%	ASTM D-638
Vicat Temperature	192 (89)	°F (°C)	ASTM D-1525
HDT @ 264 PSI (Unannealed)	172 (78)	°F (°C)	ASTM D-648
Flammability 0.060 in	HB	-	UL94
Light Transmittance	90	%	ASTM D1003

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