

## VINPOL™ PS1002

### High Impact Polystyrene

Melt Flow: 10.0

Notched Izod: 2

**VINPOL PS1002** is a high impact polystyrene designed for injection molding applications, such as electronic items and toys. It possesses high flow, high impact, high productivity, and easy processability. This product meets requirements of the U. S. Food and Drug Administration as specified in 21 CFR 177.1640. This product also has a UL 94 HB flammability rating.

Resin Property	Typical Value	Units	Test Method
Melt Flow Rate, (200 °C/5.0kg)	10.0	g/10 min	ASTM D-1238
Density	1.04	g/cm <sup>3</sup>	ASTM D-792
Tensile Strength, Break	2,200 (15)	Psi (MPa)	ASTM D-638
Tensile Modulus	290,000 (2,000)	psi (MPa)	ASTM D-638
Break Elongation	50	%	ASTM D-638
Notched Izod Impact	2.2 (117)	ft-lb/in (J/m)	ASTM D-256
Flammability	HB	-	UL 94
Vicat Softening Temperature	176 (80)	°F (°C)	ASTM D-1525
Heat Distortion Temperature @ 264 psi (Unannealed)	163 (73)	°F (°C)	ASTM D-648

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