

**GPPS0900**

**Melt Index 9.0**

**Izod ---**

## Material Properties

Properties	Test Method	Unit	Typical Value
Melt Flow, 200/5.0	D 1238	gm/10 min	9.0
Falling Dart	D 3029	in-lb	---
Izod, Notched	D 256	ft-lbs/in	---
Tensile Strength	D 638	psi	6,700
Tensile Modulus (10 <sup>5</sup> )	D 638	psi	4.4
Flexural Strength	D 790	psi	13,500
Flexural Modulus (10 <sup>5</sup> )	D 790	psi	4.5
Heat Distortion, Annealed	D 648	°F	206
Vicat Softening	D1525	°F	213

- 1 GPPS0900 complies with FDA requirements as amended in regulation 21 CFR § 177.1640.
- 2 GPPS0900 has passed Underwriters Laboratory 94HB with yellow card approvals available upon request.
- 3 GPPS0900 has passed USP Biological test classification II.
- 4 Material Safety Data Sheets are available to help customers satisfy their safety needs.

- GPPS0900 is a crystal polystyrene for both injection molding and cap layer co-extrusion.
- Injection molding applications such as medical and laboratory parts, tumblers and jewel boxes demonstrate the polymer's ability to be molded with minimal stresses and fast cycles.
- Utilizing GPPS0900 as a cap layer in cups, plates and other consumer disposables takes advantage of this polymer's melt rheology.