

# I. Stern & Co. Inc

## Crystal Polystyrene

### Product Data Sheet

#### Polystyrene GPPS-004 – General Purpose Crystal Polystyrene

##### Features

- High Strength Grade
- Medium flow, high toughness
- Excellent Process ability

##### Applications

###### Injection Molding

<u>Property</u>	<u>Units</u>	<u>ASTM</u>	<u>Typical Value*</u>
Melt Index	g/10 min	D1238	4.5
Izod Impact	ft-lb/in	D256	.375
Vicat Softening	F	D1525	207
Heat Deflection 264psi	F	D648	174
Tensile Yield	psi	D638	6830
Elongation	%	D638	2.0
Flexural Modulus	psi	D790	412,000
Flexural Strength	psi	D638	11400

Agency Ratings: FDA 21 CFR 177.1640 UL File E185934

\*Typical Values based on injection molded specimens tested at 73F, unless otherwise stated. Additives may alter some or all of these properties. I. Stern has no control over the use to which others may put this material, it does not guarantee that the same results, as those described will be obtained. I. Stern & Co. does not guarantee the effectiveness or safety of any material for the design as well as the suitability of the material or designs of both for his own particular use. Statements concerning possible or suggested uses of the materials or designs described herein are not to be construed as recommendations for use of such materials or designs.