

I. Stern & Co. Inc

Crystal Polystyrene

Product Data Sheet

Polystyrene PS2110 – General Purpose Crystal Polystyrene

Features

- Moderately High Heat Resistance
- UL Classification 94 HB
- Excellent Water Clarity

Applications

- Displays
- House wares

| <u>Property</u> | <u>Units</u> | <u>ASTM</u> | <u>Typical Value*</u> |
|---------------------------|--------------|-------------|-----------------------|
| Melt Index | g/10 min | D1238 | 3.4 |
| Izod Impact | ft-lb/in | D256 | .4 |
| Vicat Softening | F | D1525 | 205 |
| Heat Deflection 264psi | F | D648 | 195 |
| Tensile Yield | psi | D638 | 6200 |
| Elongation | % | D638 | 2.0 |
| Flexural Modulus | psi | D790 | 3,448 |
| Flexural Strength | psi | D638 | 12,000 |

*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.