

# I. Stern & Co. Inc

## Crystal Polystyrene

### Product Data Sheet

#### Polystyrene N1841 – General Purpose Crystal Polystyrene

##### Features

- Excellent Process Properties
- Easy Flow

##### Applications

- Displays
- Toys, Cosmetics

<u>Property</u>	<u>Units</u>	<u>ASTM</u>	<u>Typical Value*</u>
Melt Index	g/10 min	D1238	10
Izod Impact	ft-lb/in	D256	.4
Vicat Softening	F	D1525	187
Heat Deflection 264psi	F	D648	167
Tensile Yield	psi	D638	5656
Elongation	%	D638	1.8
Flexural Modulus	psi	D790	455,000
Flexural Strength	psi	D638	13,000
UL Rating	1.5mm(59mils) 3.0mm(118mils)		94HB 94HB

If used in its natural form and under the recommended processing conditions, this product meets the specifications of norm 21 CFR 177.1640 of the FDA. Product N1841 fulfills the requirements of norm UL 94 under File Number E220962

\*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.