

# I. Stern & Co. Inc

## High Impact Polystyrene

### Product Data Sheet

#### Polystyrene 550 – High Impact Polystyrene

##### Features

- Good Process Properties
- Excellent Toughness and environmental stress cracking

##### Applications

- Structural Foam
- Displays
- Small appliances

<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	2.0
Vicat Softening	F	D1525	193
Heat Deflection 264psi	F	D648	178
Tensile Yield	psi	D638	2100
Elongation	%	D638	50
Flexural Modulus	psi	D790	261,000
Flexural Strength	psi	D638	4000
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 SR-550 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.