

# I. Stern & Co. Inc

## High Impact Polystyrene

### Product Data Sheet

#### Polystyrene 870E – High Impact Polystyrene Extrusion Grade

##### Features

- Good processing characteristics
- Excellent Toughness and environmental stress cracking

##### Applications

- Thermoformed containers and lids for food packaging
- Custom extruded sheet
- Profiles

<u>Property</u>	<u>Units</u>	<u>ASTM</u>	<u>Typical Value</u>
Melt Index	g/10 min	D1238	4.0
Izod Impact	ft-lb/in	D256	2.0
Vicat Softening	F	D1525	210
Heat Deflection 264psi	F	D648	185
Tensile Yield	psi	D638	3046
Elongation	%	D638	50
Flexural Modulus	psi	D790	254,000
Flexural Strength	psi	D790	5200
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 SR850 fulfills the requirements of norm UL 94 under File Number E220962

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