

# I. Stern & Co. Inc

## High Impact Polystyrene

### Product Data Sheet

#### Polystyrene N1921 – General Purpose Crystal Polystyrene

##### Features

- Excellent Processability
- Easy Flow

##### Applications

- Disposable Packaging
- Housewares
- Cosmetics Packaging

<u>Property</u>	<u>Units</u>	<u>ASTM</u>	<u>Typical Value</u>
Melt Index	g/10 min	D1238	20
Izod Impact	ft-lb/in	D256	0.15
Vicat Softening	F	ISO	181
Heat Deflection 264psi	F	ISO	163
Tensile Yield	psi	D638	5370
Elongation	%	D638	1.3
Flexural Modulus	psi	D790	464,000
Flexural Strength	psi	D790	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 N1921 fulfills the requirements of norm UL 94 under File Number E220962

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