

## I. Stern N1921 General Purpose Crystal Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Transparent Grade

### Material Notes:

Features:Excellent ProcessabilityEasy FlowApplicationsDisposable PackagingHousewaresCosmetics PackagingAgency RatingsFDA Title 21 CFR 177.1640UL File E220962Information provided by I. Stern & Co. Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_I-Stern-N1921-General-Purpose-Crystal-Polystyrene.php](http://www.lookpolymers.com/polymer_I-Stern-N1921-General-Purpose-Crystal-Polystyrene.php)

Physical Properties	Metric	English	Comments
Melt Flow	20 g/10 min	20 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	37.0 MPa	5370 psi	ASTM D638
Elongation at Yield	1.3 %	1.3 %	ASTM D638
Flexural Strength	89.6 MPa	13000 psi	ASTM D790
Flexural Modulus	3.20 GPa	464 ksi	ASTM D790
Izod Impact, Notched	0.0801 J/cm	0.150 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	72.8 Å°C	163 Å°F	ISO
Vicat Softening Point	82.8 Å°C	181 Å°F	ISO
Flammability, UL94	HB	HB	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	HB	HB	
	@Thickness 3.00 mm	@Thickness 0.118 in	

## Contact Songhan Plastic Technology Co.,Ltd.

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