

I. Stern N1841 General Purpose Crystal Polystyrene

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

Material Notes:

Features:Excellent Process PropertiesEasy FlowApplicationsDisplaysToys, CosmeticsAgency 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-N1841-General-Purpose-Crystal-Polystyrene.php

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

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	39.00 MPa	5656 psi	ASTM D638
Elongation at Yield	1.8 %	1.8 %	ASTM D638
Flexural Strength	89.6 MPa	13000 psi	ASTM D790
Flexural Modulus	3.14 GPa	455 ksi	ASTM D790
Izod Impact, Notched	0.214 J/cm	0.400 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	75.0 Å°C	167 Å°F	ASTM D648
Vicat Softening Point	86.1 Å°C	187 Å°F	ASTM D1525
Flammability, UL94	HB	HB	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	HB	HB	
	@Thickness 3.00 mm	@Thickness 0.118 in	

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