

I. Stern PS2110 General Purpose Crystal Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Heat Resistant Grade

Material Notes:

Features: Moderately High Heat Resistance UL Classification 94 HB Excellent Water Clarity Applications Displays House wares Information provided by I. Stern & Co. Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_I-Stern-PS2110-General-Purpose-Crystal-Polystyrene.php

Physical Properties	Metric	English	Comments
Melt Flow	3.4 g/10 min	3.4 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	42.7 MPa	6200 psi	ASTM D638
Elongation at Yield	2.0 %	2.0 %	ASTM D638
Flexural Strength	82.7 MPa	12000 psi	ASTM D790
Flexural Modulus	2.377 GPa	344.8 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)	90.6 Å°C	195 Å°F	ASTM D648
Vicat Softening Point	96.1 Å°C	205 Å°F	ASTM D1525
Flammability, UL94	HB	HB	

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