

I. Stern HIPS 8 High Impact Polystyrene Injection Grade

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Impact Modified

Material Notes:

Features: Good processing characteristics Complies with FDA requirements as described in Title 21 CFR

177.1640 Applications Displays House wares Structural Foam Information provided by I. Stern & Co. Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_I-Stern-HIPS-8-High-Impact-Polystyrene-Injection-Grade.php

Physical Properties	Metric	English	Comments
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	ASTM D995
Melt Flow	8.0 g/10 min	8.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength	24.8 MPa	3600 psi	ASTM D638
Tensile Modulus	2.28 GPa	330 ksi	ASTM D638
Flexural Strength	44.8 MPa	6500 psi	ASTM D790
Flexural Modulus	2.34 GPa	340 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm	2.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	96.1 Â°C	205 Â°F	ASTM D1525
Heat Distortion Temperature	89.4 Â°C	193 Â°F	ASTM D648
Flammability, UL94	HB	HB	

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