

I. Stern HIPS SH03 High Impact Polystyrene

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

Material Notes:

Features:High flowExcellent toughnessExcellent processabilityApplicationsInjection moldingAgency RatingsFDA Title 21 CFR 177.1640UL

File E185934Information provided by I. Stern & Co. Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_I-Stern-HIPS-SH03-High-Impact-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	21.6 MPa	3130 psi	ASTM D638
Elongation at Yield	50 %	50 %	ASTM D638
Flexural Strength	36.3 MPa	5260 psi	ASTM D790
Flexural Modulus	1.77 GPa	256 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm	2.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	76.1 Å°C	169 Å°F	ASTM D648
Vicat Softening Point	97.2 Å°C	207 Å°F	ASTM D1525

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