

## I. Stern SH432HG High Impact Polystyrene Extrusion Grade

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

**Material Notes:**

Features: Good processing characteristics Excellent toughness and environmental stress cracking High gloss Applications Thermoformed containers and lids for food packaging Custom extruded sheet ABS replacement Information provided by I. Stern & Co. Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_I-Stern-SH432HG-High-Impact-Polystyrene-Extrusion-Grade.php](http://www.lookpolymers.com/polymer_I-Stern-SH432HG-High-Impact-Polystyrene-Extrusion-Grade.php)

Physical Properties	Metric	English	Comments
Melt Flow	3.5 g/10 min	3.5 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.1 MPa	3500 psi	ASTM D638
Elongation at Yield	55 %	55 %	ASTM D638
Flexural Strength	43.4 MPa	6300 psi	ASTM D790
Flexural Modulus	2.14 GPa	310 ksi	ASTM D790
Izod Impact, Notched	1.71 J/cm	3.20 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	97.8 Â°C	208 Â°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	

Optical Properties	Metric	English	Comments
Gloss	90 %	90 %	ASTM D523

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China