

## I. Stern 913 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 Applications Thermoformed containers and lids for food packaging Custom extruded sheet Information provided by I. Stern & Co. Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_I-Stern-913-High-Impact-Polystyrene-Extrusion-Grade.php](http://www.lookpolymers.com/polymer_I-Stern-913-High-Impact-Polystyrene-Extrusion-Grade.php)

Physical Properties	Metric	English	Comments
Melt Flow	2.6 g/10 min	2.6 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	29.0 MPa	4200 psi	ASTM D638
Elongation at Yield	67 %	67 %	ASTM D638
Flexural Strength	42.1 MPa	6100 psi	ASTM D790
Flexural Modulus	2.14 GPa	310 ksi	ASTM D790
Izod Impact, Notched	1.92 J/cm	3.60 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	83.9 Å°C	183 Å°F	ASTM D648
Vicat Softening Point	92.2 Å°C	198 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	

## Contact Songhan Plastic Technology Co.,Ltd.

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