

I. Stern SH432HG

High Impact Polystyrene

I. STERN & CO. INC.

Message:

Polystyrene SH432HG - High Impact Polystyrene Extrusion Grade

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

General Information			
Features	Good Processability		
	Good Toughness		
	High ESCR (Stress Crack Resist.)		
	High Gloss		
	High Impact Resistance		
Uses	Containers		
	Food Packaging		
	Lids		
	Sheet		
Processing Method	Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR)	3.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	24.1	MPa	ASTM D638
Tensile Elongation (Break)	55	%	ASTM D638
Flexural Modulus	2140	MPa	ASTM D790
Flexural Strength (Yield)	43.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	170	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	97.8	°C	ASTM D1525
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	HB		

3.00 mm	HB	
Optical	Nominal Value	Test Method
Gloss	90	ASTM D2457

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

