

# I. Stern SH03

High Impact Polystyrene

I. STERN & CO. INC.

Message:

Polystyrene HIPS SH03- High Impact Polystyrene

Features

High Flow

Excellent toughness

Excellent Process ability

Applications

Injection Molding

General Information			
Features	Good Processability		
	Good Toughness		
	High Flow		
	High Impact Resistance		
Agency Ratings	FDA 21 CFR 177.1640		
UL File Number	E185934		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR)	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	21.6	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	1770	MPa	ASTM D790
Flexural Strength (Yield)	36.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	76.1	°C	ASTM D648
Vicat Softening Temperature	97.2	°C	ASTM D1525

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: [sales@su-jiao.com](mailto:sales@su-jiao.com)

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

