

SECCO HIPS-622S

High Impact Polystyrene
Shanghai SECCO Petrochemical Co., Ltd

Message:
HIPS632E retains good impact strength and improved environmental stress crack resistance.

General Information			
UL YellowCard	E255593-590554		
Features	High ESCR (Stress Cracking Resistance)		
	Impact resistance, good		
Uses	Cup		
	Bottle		
	Food packaging		
Agency Ratings	FDA 21 CFR 177.1640(c) 1		
RoHS Compliance	RoHS compliance		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	3.6	g/10 min	ISO 1133
Molding Shrinkage (24 hr)	0.40 - 0.60	%	ISO 294-4
Water Absorption (Saturation, 23°C)	< 0.10	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	97		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/50
Yield	26.0	MPa	ISO 527-2/50
Fracture	25.0	MPa	ISO 527-2/50
Nominal Tensile Strain at Break	60	%	ISO 527-2/50
Flexural Modulus ¹	1650	MPa	ISO 178
Flexural Stress ²	40.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	11	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	72.0	°C	ISO 75-2/A
Vicat Softening Temperature ³	90.0	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
NOTE			

1.	2.0 mm/min
2.	2.0 mm/min
3.	in Oil

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

