

SECCO HIPS-532

High Impact Polystyrene
Shanghai SECCO Petrochemical Co., Ltd

Message:
HIPS532 retains good fluidity and excellent toughness.

General Information			
Features	Good liquidity		
	Good toughness		
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)	4.5	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)	104		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/50
Yield	23.0	MPa	ISO 527-2/50
Fracture	24.0	MPa	ISO 527-2/50
Nominal Tensile Strain at Break	50	%	ISO 527-2/50
Flexural Modulus ¹	1900	MPa	ISO 178
Flexural Stress ²	42.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	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
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

