

SECCO HIPS-514

High Impact Polystyrene
Shanghai SECCO Petrochemical Co., Ltd

Message:
HIPS514 combines excellent fluidity with medium impact strength.

General Information			
UL YellowCard	E255593-590552		
Features	Good liquidity		
	Medium impact resistance		
Uses	Home appliance components		
	Household goods		
	Toys		
	Stationery		
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)	8.8	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)	105		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/50
Yield	25.0	MPa	ISO 527-2/50
Fracture	20.0	MPa	ISO 527-2/50
Nominal Tensile Strain at Break	45	%	ISO 527-2/50
Flexural Modulus ¹	2200	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)	70.0	°C	ISO 75-2/A
Vicat Softening Temperature ³	85.0	°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

