

SECCO HIPS-622

High Impact Polystyrene
Shanghai SECCO Petrochemical Co., Ltd

Message:
HIPS622 retains good fluidity, mould release and excellent rigidity.

General Information			
UL YellowCard	E255593-590553		
Features	Good liquidity		
	Good demoulding performance		
	Medium hardness		
Uses	Home appliance components		
	Shell		
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)	107		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/50
Yield	28.0	MPa	ISO 527-2/50
Fracture	25.0	MPa	ISO 527-2/50
Nominal Tensile Strain at Break	45	%	ISO 527-2/50
Flexural Modulus ¹	2100	MPa	ISO 178
Flexural Stress ²	48.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	73.0	°C	ISO 75-2/A
Vicat Softening Temperature ³	92.0	°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

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