

SECCO GPPS-123

General Purpose Polystyrene
Shanghai SECCO Petrochemical Co., Ltd

Message:
GPPS123 retains high fluidity and good mould release and allows excellent transparency and gloss.

General Information			
UL YellowCard	E255593-590549		
Features	Highlight		
	High liquidity		
	Definition, high		
	Good demoulding performance		
Uses	Cup		
	Stationery		
	Medical/nursing supplies		
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)	8.0	g/10 min	ISO 1133
Molding Shrinkage	0.40 - 0.60	%	ISO 294-4
Water Absorption (Saturation, 23°C)	< 0.10	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	47.0	MPa	ISO 527-2/50
Tensile Strain (Break)	2.0	%	ISO 527-2/50
Flexural Modulus ¹	3100	MPa	ISO 178
Flexural Stress ²	75.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	9.0	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	73.0	°C	ISO 75-2/A
Vicat Softening Temperature ³	91.0	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Transmittance	90.0	%	ASTM D1003
NOTE			

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

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