

SECCO GPPS-351

General Purpose Polystyrene
Shanghai SECCO Petrochemical Co., Ltd

Message:

GPPS351 retains high mechanical strength & high heat resistance, and its products have excellent transparency and gloss.

General Information			
UL YellowCard	E255593-100763919		
Features	Highlight		
	High strength		
	Heat resistance, high		
	Definition, high		
Uses	Packaging		
	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)	1.6	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)	55.0	MPa	ISO 527-2/50
Tensile Strain (Break)	2.0	%	ISO 527-2/50
Flexural Modulus ¹	3200	MPa	ISO 178
Flexural Stress ²	82.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	10	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	80.0	°C	ISO 75-2/A
Vicat Softening Temperature ³	102	°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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