

Bayblend® 2953

Polycarbonate + ABS

Covestro - Polycarbonates

Message:

(PC+ABS) blend; Vicat/B 120 temperature = 113°C; for electroplating applications.

General Information			
Features	Platable		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.11	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	14.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2100	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield, 23°C	44.0	MPa	
Break, 23°C	47.0	MPa	
Tensile Strain (Yield, 23°C)	3.6	%	ISO 527-2/50
Nominal Tensile Strain at Break (23°C)	> 50	%	ISO 527-2/50
Flexural Modulus ¹ (23°C)	2200	MPa	ISO 178
Flexural Stress ² (3.5% Strain, 23°C)	65.0	MPa	ISO 178
Flexural Strain at Flexural Strength ³ (23°C)	5.6	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	35	kJ/m ²	
23°C	45	kJ/m ²	
Notched Izod Impact Strength			ISO 180/A
-30°C	35	kJ/m ²	
23°C	46	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	110	°C	ISO 75-2/B
1.8 MPa, Unannealed	90.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	108	°C	ISO 306/B50
--	113	°C	ISO 306/B120
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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