

Bayblend® FR3000 BBS306

Polycarbonate + ABS

Covestro - Polycarbonates

Message:

(PC+ABS) blend; unreinforced; flame-retardant; injection molding grade; Vicat/B120 = 97 °C; UL recognition 94 V-1 (2.0 mm).

General Information			
UL YellowCard	E41613-101010305		
Additive	Flame Retardant		
Features	Flame Retardant		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.17	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (240°C/5.0 kg)	23.0	cm ³ /10min	ISO 1133
Molding Shrinkage ¹			ISO 2577
Across Flow : 240°C, 3.00 mm	0.50 to 0.70	%	
Flow : 240°C, 3.00 mm	0.50 to 0.70	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2600	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	61.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	40	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	30	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	94.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	83.0	°C	ISO 75-2/A
Vicat Softening Temperature	97.0	°C	ISO 306/B120
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	350	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (2.00 mm)	V-1		UL 94
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity ² (260°C)	150	Pa · s	ISO 11443-A
NOTE			
1.	150x105x3 mm, 80°C MT		
2.	1000/s		

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