

Bayblend® T88 GF-30

Polycarbonate + SAN

Covestro - Polycarbonates

Message:

Rubber modified (PC+SAN) blend; 31 % glass fiber filled; injection molding grade; optimized heat ageing- and UV-stability; very good flow; tensile modulus = 10000 MPa; high heat resistance; Vicat/B 120 = 134 °C.

General Information			
Filler / Reinforcement	Glass Fiber,31% Filler by Weight		
Features	Good Flow		
	Good Heat Aging Resistance		
	Good UV Resistance		
	High Heat Resistance		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.38	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 2577
Across Flow : 260°C, 3.00 mm	0.30 to 0.50	%	
Flow : 260°C, 3.00 mm	0.15 to 0.35	%	
Water Absorption			ISO 62
Saturation, 23°C	0.40	%	
Equilibrium, 23°C, 50% RH	0.10	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	10000	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	135	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	2.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/A
-30°C	11	kJ/m ²	
23°C	12	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180
-30°C	40	kJ/m ²	
23°C	40	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	134	°C	ISO 75-2/B
1.8 MPa, Unannealed	126	°C	ISO 75-2/A
Vicat Softening Temperature			

--	132	°C	ISO 306/B50
--	134	°C	ISO 306/B120
CLTE			ISO 11359-2
Flow : 23 to 55°C	2.5E-5	cm/cm/°C	
Transverse : 23 to 55°C	6.0E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+17	ohms	IEC 60093
Volume Resistivity (23°C)	1.0E+16	ohms·cm	IEC 60093
Electric Strength (23°C, 1.00 mm)	35	kV/mm	IEC 60243-1
Relative Permittivity			IEC 60250
23°C, 100 Hz	3.60		
23°C, 1 MHz	3.40		
Dissipation Factor			IEC 60250
23°C, 100 Hz	3.0E-3		
23°C, 1 MHz	8.5E-3		
Comparative Tracking Index (Solution A)	175	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.850 mm, Bayer Test)	HB		UL 94
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity ² (260°C)	250	Pa·s	ISO 11443-A
NOTE			
1.	150x105x3 mm, 80°C MT		
2.	1000/s		

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