Bayblend® T88 GF-10

Polycarbonate + SAN

Covestro - Polycarbonates

Message:

Rubber modified (PC+SAN) blend; 10 % glass fiber filled; injection molding grade; optimized heat ageing- and UV-stability; very good flow; tensile modulus = 4800 MPa; high heat resistance; Vicat/B 120 = 134 °C.

General Information			
UL YellowCard	E41613-100082661		
Filler / Reinforcement	Glass Fiber,10% 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)	1.22	g/cm³	ISO 1183
Molding Shrinkage [1]			ISO 2577
Across Flow : 260°C, 3.00 mm	0.35 to 0.55	%	
Flow : 260°C, 3.00 mm	0.25 to 0.45	%	
Water Absorption			ISO 62
Saturation, 23°C	0.40	%	
Equilibrium, 23°C, 50% RH	0.20	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (23°C)	4800	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/5
Yield, 23°C	100	MPa	
Break, 23°C	95.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	3.2	%	
Break, 23°C	3.7	%	
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength			ISO 180/A
-30°C	6.0	kJ/m²	
23°C	8.0	kJ/m²	
Unnotched Izod Impact Strength			ISO 180
-30°C	35	kJ/m²	
23°C	35	kJ/m²	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	133	°C	ISO 75-2/B
1.8 MPa, Unannealed	121	°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	4.0E-5	cm/cm/°C	
Transverse : 23 to 55°C	6.7E-5	cm/cm/°C	
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+16	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	3.20		
23°C, 1 MHz	3.00		
Dissipation Factor			IEC 60250
23°C, 100 Hz	2.5E-3		
23°C, 1 MHz	9.0E-3		
Comparative Tracking Index (Solution A)	200	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (0.850 mm)	HB		UL 94
Fill Analysis	**Nominal Value**	**Unit**	**Test Method**
Melt Viscosity [2] (260°C)	205	Pa·s	ISO 11443-A
NOTE			
1.	150x105x3 mm, 80°C MT		
2.	1000/s		

Recommended distributors for this material

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