

## Covestro Bayblend® T 88-2N Polycarbonate/ABS Blend, 10% Glass Fiber

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Glass Fiber Filled , Polycarbonate (PC)

### Material Notes:

Contains 10% glass fiber reinforcement, high stiffness. Information provided by Bayer. As of 1 September 2015, Bayer Material Science was separated from Bayer AG and officially adopted its new name – Covestro.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Covestro-Bayblend-T-88-2N-PolycarbonateABS-Blend-10-Glass-Fiber.php](http://www.lookpolymers.com/polymer_Covestro-Bayblend-T-88-2N-PolycarbonateABS-Blend-10-Glass-Fiber.php)

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in <sup>3</sup>	
Water Absorption	0.60 %	0.60 %	Saturation in water
Moisture Absorption at Equilibrium	0.20 %	0.20 %	Equilibrium at 50% RH
Water Absorption at Saturation	0.60 %	0.60 %	
Linear Mold Shrinkage	0.0030 - 0.0040 cm/cm	0.0030 - 0.0040 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	60.0 MPa	8700 psi	ASTM D638
Tensile Strength, Yield	65.0 MPa	9430 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Elongation at Yield	3.0 %	3.0 %	ASTM D638
Tensile Modulus	4.00 GPa	580 ksi	
Flexural Modulus	4.00 GPa	580 ksi	ASTM D790
Izod Impact, Notched	0.800 J/cm @Thickness 3.20 mm	1.50 ft-lb/in @Thickness 0.126 in	ASTM D256
Impact Test	45.0 J @Thickness 3.20 mm	33.2 ft-lb @Thickness 0.126 in	Instrumented Total Impact; 12.5 mm dart, 75 mm clamp, 6.7 m/s; ASTM D3763

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	42.0 µm/m-°C	23.3 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
CTE, linear, Transverse to Flow	74.0 µm/m-°C	41.1 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	

Thermal Properties (Deflection Temperature at 0.46 MPa (66 psi))	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	115 °C	239 °F	
Vicat Softening Point	129 °C	264 °F	
UL RTI, Electrical	60.0 °C	140 °F	
UL RTI, Mechanical with Impact	60.0 °C	140 °F	
UL RTI, Mechanical without Impact	60.0 °C	140 °F	
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	
Oxygen Index	24 %	24 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	
Dielectric Constant	3.0 @Frequency 100 Hz	3.0 @Frequency 100 Hz	
	3.1 @Frequency 1e+6 Hz	3.1 @Frequency 1e+6 Hz	
Dielectric Strength	30.0 kV/mm	762 kV/in	
Dissipation Factor	0.0020 @Frequency 100 Hz	0.0020 @Frequency 100 Hz	
	0.0090 @Frequency 1e+6 Hz	0.0090 @Frequency 1e+6 Hz	
Comparative Tracking Index	250 V	250 V	

## Contact Songhan Plastic Technology Co.,Ltd.

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