

## Covestro Bayblend® KU 2-1466 Polycarbonate/ABS Blend

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

### Material Notes:

Flame retardant grade with 20% glass fiber reinforcement, high stiffness. Applications: Electrical industry. Information provided by Bayer. As of 1 September 2015, Bayer MaterialScience 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-KU-2-1466-PolycarbonateABS-Blend.php](http://www.lookpolymers.com/polymer_Covestro-Bayblend-KU-2-1466-PolycarbonateABS-Blend.php)

Physical Properties	Metric	English	Comments
Density	1.34 g/cc	0.0484 lb/in <sup>3</sup>	
Water Absorption	0.70 %	0.70 %	Saturation in water
Moisture Absorption at Equilibrium	0.20 %	0.20 %	Equilibrium at 50% RH
Water Absorption at Saturation	0.70 %	0.70 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	79.0 MPa	11500 psi	
Elongation at Break	2.0 %	2.0 %	
Tensile Modulus	5.80 GPa	841 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	28.0 $\mu\text{m}/\text{m}\cdot\text{C}$	15.6 $\mu\text{in}/\text{in}\cdot\text{F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
CTE, linear, Transverse to Flow	67.0 $\mu\text{m}/\text{m}\cdot\text{C}$	37.2 $\mu\text{in}/\text{in}\cdot\text{F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	130 °C	266 °F	
Deflection Temperature at 1.8 MPa (264 psi)	120 °C	248 °F	
Vicat Softening Point	134 °C	273 °F	
Flammability, UL94	V-0	V-0	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Oxygen Index	33 %	33 %	

Electrical Properties	Metric	English	Comments
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Electrical Properties	Metric	English	Comments
Surface Resistance	$\geq 1.00 \times 10^{15}$ ohm-cm	$\geq 1.00 \times 10^{15}$ ohm	
Dielectric Constant	3.2	3.2	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	3.3	3.3	
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	35.0 kV/mm	889 kV/in	
Dissipation Factor	0.0020	0.0020	
	@Frequency 100 Hz	@Frequency 100 Hz	
Comparative Tracking Index	0.0070	0.0070	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Comparative Tracking Index	150 V	150 V	

## Contact Songhan Plastic Technology Co.,Ltd.

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