

## Covestro Bayblend® KU2-1500 Polycarbonate + ABS Blend, Extrusion/Blow-Molding (discontinued \*\*)

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

### Material Notes:

Information provided by Bayer Corporation, Plastics DivisionAs of 1 September 2015, Bayer MaterialScience was separated from Bayer AG and has officially adopted its new name – Covestro. This product was discontinued prior to the separation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Covestro-Bayblend-KU2-1500-Polycarbonate-ABS-Blend-ExtrusionBlow-Molding-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Covestro-Bayblend-KU2-1500-Polycarbonate-ABS-Blend-ExtrusionBlow-Molding-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in <sup>3</sup>	ASTM D792
Spiral Flow	25.0 cm @Thickness 2.50 mm	9.84 in @Thickness 0.0984 in	at 254°C melt temp.

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	52.0 MPa	7540 psi	ASTM D638
Tensile Strength, Yield	53.0 MPa	7690 psi	ASTM D638
Elongation at Break	90 %	90 %	ASTM D638
Elongation at Yield	3.8 %	3.8 %	ASTM D638
Flexural Yield Strength	87.0 MPa	12600 psi	at 5% strain; ASTM D790
Flexural Modulus	2.27 GPa	329 ksi	ASTM D790
Izod Impact, Notched	6.90 J/cm @Thickness 3.17 mm	12.9 ft-lb/in @Thickness 0.125 in	ASTM D256
Impact Test	52.0 J @Thickness 3.20 mm	38.4 ft-lb @Thickness 0.126 in	Instrumented Total Impact; 3.2 mm thick, 12.5 mm dart, 75 mm clamp, 6.7 m/s; ASTM D3763

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	105 °C @Thickness 6.35 mm	221 °F @Thickness 0.250 in	Unannealed; ASTM D648
Vicat Softening Point	129 °C	264 °F	Rate B; ISO 306
UL RTI, Electrical	85.0 °C @Thickness 1.57 mm	185 °F @Thickness 0.0618 in	Bayer provisional value

Thermal Properties	75.0 °C Metric	167 °F English	Comments
UL RTI, Mechanical with Impact	@Thickness 1.57 mm	@Thickness 0.0618 in	Bayer provisional value
UL RTI, Mechanical without Impact	85.0 °C @Thickness 1.57 mm	185 °F @Thickness 0.0618 in	Bayer provisional value
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	
	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	

Electrical Properties	Metric	English	Comments
Arc Resistance	<= 60 sec @Thickness 3.00 mm	<= 60 sec @Thickness 0.118 in	UL Rating PLC 7 (<60 sec)
Comparative Tracking Index	>= 600 V @Thickness 3.00 mm	>= 600 V @Thickness 0.118 in	UL Rating PLC 0 (>600 V)
Hot Wire Ignition, HWI	60 - 120 sec @Thickness 3.00 mm	60 - 120 sec @Thickness 0.118 in	UL Rating PLC 1 (60-120 sec)
High Amp Arc Ignition, HAI	>= 120 arcs @Thickness 1.50 mm	>= 120 arcs @Thickness 0.0591 in	UL Rating PLC 0 (>120 arcs)
High Voltage Arc-Tracking Rate, HVTR	>= 150 mm/min @Thickness 3.00 mm	>= 5.91 in/min @Thickness 0.118 in	UL Rating PLC 4 (>150 mm/min.)

## Contact Songhan Plastic Technology Co.,Ltd.

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