PRODUCT BULLETIN

Gerber Wide Format Specialty Digital Media:
LexEdge II™ WF Velvet/Gloss Polycarbonate 10mil Clear for UV and Latex Inkjet

PRODUCT DESCRIPTION

Gerber LexEdge II WF Polycarbonate is optimized for UV and Latex Inkjet printers. This is a one side velvet, one side gloss transparent film that features a proprietary UV Inkjet print receptive coating on the gloss side for enhanced UV and latex ink adhesion.

TYPICAL APPLICATIONS

Point-of-purchase signs, displays, industrial graphics, membrane touch switch overlays, labels, and nameplates.

TYPICAL PROPERTY VALUES

Property	ASTM Test Method	Units (USCS)	Value	ISO Test Method	Units (SI)	Value
Mechanical						
Tensile Strength						
@Yield	ASTM D882	psi	8500	ISO 527	MPa	62
Ultimate	ASTM D882	psi	9000	ISO 527	MPa	65
Tensile Modulus	ASTM D882	psi	300000	ISO 527	MPa	2506
Tensile Elongation at Break	ASTM D882	%	100-160	ISO 527	%	100-154
Gardner Impact Strength at 0.03 in. (0.75 mm)	ASTM D3029	ft-lb	23	ISO 6603-1	J	31
Tear Strength						
Initiation	ASTM D1004	lb/mil	1.4-1.8		kN/m	245
Propogation	ASTM D1922	g/mil	30-55		kN/m	10-20
Puncture Resistance (Dynatup)	ASTM D3763	ft-lb	9		J	12
Fold Endurance (MIT)						
0.010 inch (0.25 mm)	ASTM D2176-69	double folds	130			
0.020 inch (0.50 mm)	ASTM D2176-69	double folds	35			

Thermal						
Coefficient of Thermal Conductivity	ASTM D5470	Btu/hr/ft²/°F/in	1.35		W/m°K	0.2
Coefficient of Thermal Expansion	ASTM E831	(x 10^{-5}/°F)	3.2	ISO 11359	(x 10^{-5}/°C)	5.8
Specific Heat @ 40°F (4 °C)	ASTM E1269	Btu/lb/°F	0.3		KJ/Kg-C°	1.25
Glass Transition Temperature	ASTM D3417/D3418	°F	307	ISO 11357	°C	153
Vicat Softening Temperature, B	ASTM 1525-00 Modified	°F	323		°C	160
Heat Deflection Temp. by TMA at 1.8 Mpa		°F	290	ISO 75 Modified	°C	145
Shrinkage at 302 °F (150 °C)	ASTM D1204	%	1.40%		%	1.40%
Brittleness Temperature	ASTM D746	°F	-211		°C	-135

Manufacturing Specifications
Gauge Range
0.010-0.015" (0.250-0.375 mm)
0.020-0.030" (0.500-0.750 mm)

Min./Max. Limit of Nominal
± 5%
± 3%

GERBER TECHNOLOGY

In the event of any post-print processing applications, a minimum of 24 hours is recommended between printing and any additional processes. This is especially important for any processes that will come in direct contact with the ink, such as adhesive lamination. For best results, consult your ink manufacturer's recommendation of ink post-cure time, as inks may vary.

The applications suggestions, specifications and other data described here are based on experience that is believed by Gerber Technology to be reliable. Because of the characteristics of these products, you should, before using these products in production, perform your own tests to determine to your satisfaction whether these products are acceptable and suitable for your particular purposes under your operation conditions.

Any order for these products will be subject to Seller's terms and conditions of sale.

Note: Technical Specifications are subject to change without prior notice. Output may vary depending on the type of print data/file, application, media, environmental conditions, print speed, or other variables. CONTACT INFORMATION For help with questions concerning Gerber products, please call your distributor or Gerber Customer Service at 1-800-222-7446 or (860) 644-1551. Visit us on the Internet at www.gerbertechnology.com/sign-graphics to learn more about our many other foils, materials and equipment. When sold by Gerber, use only the corresponding Gerber Product Bulletin to determine product details, including but not limited to appropriate uses, warranty and processing. Gerber Scientific Products is a Registered Trademark of Gerber Technology. All Right Reserved Category: Large Format FastFact #: 7042 Supplied by: Aftermarkets Last Modified: 10/1/19