



## PreLume DisplayFlex™

This is LexJet's PreLume DisplayFlex that incorporates one of the most innovative developments in the history of adhesive technology. The adhesive on this over laminate utilizes PreLume Technology, which is a patented Optical Reflection Technology that is able to offset yellow and gray color shifts caused by many over laminate films. When partnering PreLume DisplayFlex with our printable white films (or any white substrate), the results are brighter and cleaner white areas, as well as colors that are brighter and truer to the digital design. Your graphics will look better; plain and simple. Increased graphic appeal and better durability at the same cost; now that's a competitive advantage!

Property	Specifications
Surface (face stock)	5-mil (.005", 127 micron), 10-mil (.010", 250 micron), 15-mil (.015", 381 micron) clear velvet/textured rigid co-polymer film.
Tensile Strength	(ASTM D-882): 7000 lb./sq. in.
Elongation	(ASTM D-882): 170%
Tensile Impact Strength	(ASTM D-1822 MOD): 250 ft. lb./sq. in.
Cold Break Temperature	(ASTM D-1790): -15°C
Heat Deflection	(ASTM D-648): 164°F
Adhesive	2-mil (50 micron) optically clear, high performance, solvent-based, permanent acrylic adhesive w/ patented PreLume technology.
Peel Adhesion	(PSTC-1): 15 minute dwell = 23 oz./in.; 24 hour dwell = 44 oz./in.
Shear Strength	(PSTC-7): 1"x1" panel, 350+ hours with no failure; ½"x ½" panel, 150+ hours with no failure.
Release Liner	5 and 10-mil: 1.5-mil clear oriented polyester; 15-mil: 3-mil clear oriented polyester
Ink Jet Media Recommendation	When using ink jet printers to produce rollable trade show graphics, polyester film should always be used as the ink receptor. Polyester film eliminates the need for a backer and creates better adhesion to the laminate due to its' dimensional stability. Paper is not recommended because it can split when being rolled and unrolled and when being removed from a pop-up booth.
Ink Jet Media Preparation	Printer manufacturers recommend that you allow your print to dry for 24 hours before applying lamination. In high humidity areas, the dry times can be longer. This will eliminate the issue of the ink or image splitting, which can cause delaminating.
Laminator Compatibility	It's recommended that your laminator be equipped with a release liner take-up reel. All LexJet laminates are provided on 3" standard cores.
Laminator Settings	Apply 90-120°F (38°C) to help the adhesive flow, which will produce a more consistent adhesion to the print. Prolonged exposure or contact with a heated roller could alter the finish or textured surface. Apply 80-100 psi and use 2-3 feet per minute for dwell time depending on the application. Your top and bottom web tension should be minimal to prevent curling of the graphic.
Using a Sled	It is strongly recommended that you use a rigid sled (1/8" or greater) such as Polycarbonate, acrylic, masonite, or aluminum. This will insure consistent pressure across the web. Apply a release liner to your sled to prevent adhesive build-up. Use strong tape such as packaging tape to attach the leading edge of the graphic to the sled. The entire width of the leading edge must be taped. The leading-edge tape will hold the graphic firmly in place.

**Product Performance & Suitability:** All of the descriptive information and recommendations for the use of LexJet products should be used only as a guide. Furnishing such information and recommendations shall in no event constitute a warranty of any kind by LexJet. All purchasers of LexJet products shall independently determine the suitability of the material for the purpose for which it is purchased. Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither the seller nor manufacturer shall be liable either in tort or in contract for any loss or damage, direct, incidental or consequential (including loss of profits or revenue) arising out of the use of or the inability to use the product. No statement or recommendation not contained herein shall have any force or effect unless in agreement signed by officers of seller and manufacturer.



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Adhesive Cure Time	After applying the laminate, allow curing for a minimum of 2 hours before cutting or trimming. Maximum bond strength is reached in 24 hours and we strongly advise a 24-hour cure time.
Cutting/Trimming	Graphics should be trimmed using a freshly sharpened blade. The graphics should be trimmed on tempered glass. Do not force the blade through the material; let the blade do the work. It may take several passes to complete the cut. A perpendicular cut is very important, as a slight angle in the cut can cause edge lift, which will lead to complete delaminating. After trimming, allow the graphic to cure for 2 hours before rolling. For best results, use an automatic cutting mechanism such as Roto-Trimmer, Javelin or Neolt.
Handling	Graphics should be rolled with the thinner material on the outside. Graphics should be rolled with a minimum inside diameter of 12". The graphics should never be folded.
Setting Customer Expectations	You should set the expectations for your customer who will be handling the graphic. Suggestions include telling them verbally, giving them a handout with handling recommendations, placing a document in the shipping container with the graphics, and placing a decal on the graphic with the directions.
Service Temp. Range	-40°F to 176°F (-40°C to 80°C). THIS IS NOT A LAMINATOR SETTING.
Ideal Storage Conditions	70°F (21°C), 50% R.H. (a controlled environment is recommended); store in original packaging.
Shelf Life	Greater than one year from LexJet ship date when stored in proper conditions.

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