

Mimaki Tested. Mimaki Approved. JetView™ Solvent Inkjet Materials.

Tekra diligently works with multiple inkjet press manufacturers to qualify substrates with their various press types. Tekra has recently partnered with Mimaki to qualify our [JetView™ solvent inkjet lines](#) on their presses. Mimaki has recently tested our films for ink adhesion using their JV33 solvent inkjet printer. Using standard cross hatch tape tests with 600 and 610 tape, Tekra's [JetView™ Solvent polycarbonate](#) and [polyester](#) films easily passed the test with 0% delamination.



Because of these results, Mimaki has printed Tekra's solvent inkjet material at various tradeshows and it has become a 'go-to' for them when marketing this press to new customers. In particular, they have selected our [JetView™ Solvent White Translucent Backlit Polycarbonate](#) material as a favorite from this line. This film offers excellent print receptivity and protection from degradation from the solvents. This backlit film is a great fit for menu boards, where the durability and rigidity of polycarbonate is beneficial for a quality, lasting product.

Tekra works with press manufacturers, like Mimaki, regularly to help develop products that the marketplace needs and to ensure that our products give excellent performance. These relationships help Tekra stay on top of new technology development and be a resource for our consumers on a daily basis.

Partnering or Leveraging?

One question that comes up quite often when we meet with new customers is the approach we take when working with our suppliers. As most of you know, Tekra has chosen to carry the lines of a limited number of suppliers and we very seldom carry competing lines of the same materials. In short, we are choosing a partnering versus a leveraging approach with our key suppliers. Why do we think this is best both for us and for you, our customer? There are three primary reasons.

Practicality: Even with our focused approach, the SKUs just from [DuPont Teijin Films™](#), [Sabic Innovative Plastics](#) and [3M](#) number in the thousands. When you consider the need to maintain inventories of all the gauges, finishes, and configurations to meet short delivery requirements, the idea of carrying multiple lines gets unmanageable and very costly. In addition, by reducing unnecessary duplication of materials, we believe we can be more familiar with the products we sell and offer better technical support to both customers and suppliers.

Best In Class: It is not a coincidence that the largest suppliers invented the products we sell. From [3M™ Adhesive Transfer Tapes](#), to [Lexan™ polycarbonate](#), to [Mylar® and Melinex® polyester](#), we carry what most industry experts would say are

the best and most comprehensive lines of materials available for the Industrial Graphics marketplace. Most of these long established suppliers have also introduced economy offerings that can often be used as replacements in less demanding applications and have used their extensive experience to correctly position these lower cost materials without risking failures in processing or in the finished parts.

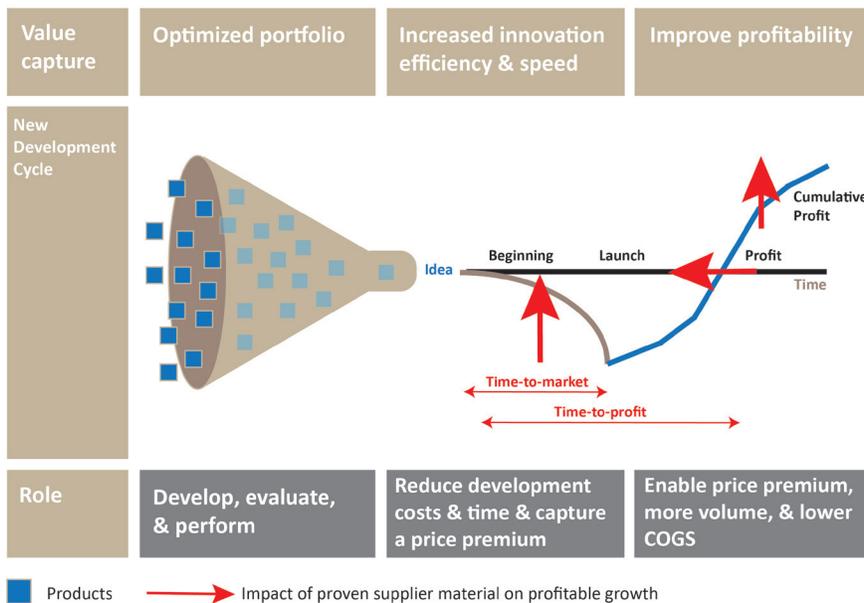
Profit Generation For Customers:

Figure 1 illustrates the value of using proven products within a new product development cycle. In selecting proven materials, the time to market is reduced and the resources required to meet your customer's needs is lessened. With the huge increase in value add that is immediately invested by our customers, Tekra does not believe it makes good business sense to introduce more complexity at the risk of delaying profitable production. From proof of concept, through production of first articles and into volume production using proven materials from high quality suppliers can maximize total profits for your organization.

When Tekra buys materials to support our own manufacturing activities, we generally choose to partner with key suppliers for all the reasons cited above. For us, it just makes sense.

Figure 1

The value of proven supply partners



Coater Improvement Project Completed

In our last issue we updated you on our coater improvement project that required us to shut down our coaters for a period of time. We are now happy to report that all upgrades were completed on schedule and both of our coaters have been operational since September and are running quality hard coat and digitally printable films. Ask your Tekra representative today about our additional coating capabilities!

Before



After



Beauty and Strength Join Tekra's JetView™ Latex Backlit Offering

Tekra's [JetView™ Latex line](#) of films just got stronger! We now offer our JetView™ Latex White Translucent Polycarbonate Backlit Film in a 15 mil gauge. This outstanding backlit film offers high-quality aesthetics with the rigidity many consumers are looking for. The 15 mil gauge keeps the material sturdy enough to avoid mounting or framing in some applications while a light transmission of 32.5/100 allows the light to proportionally diffuse and illuminate your print while reducing hot spots.

Tekra's JetView™ Latex polycarbonate films offer excellent ink adhesion, even with heavy solids which creates little need for post-processing applications for ink protection. The new 15 mil [JetView™ White Translucent Matte/Gloss Backlit Polycarbonate](#) offering is no exception. With printability on both sides, abrasion resistance and immediate dry time, wide format printing just got easier. This film will produce a final product that will display vibrant colors from the latex inks with high-end optics. Dual finish printable substrate, rigidity and superior ink adhesion creates a versatile product that is just as strong as it is beautiful.

This material is stocked in 53" x 148' roll lengths on a 3" core. Custom lengths and 6" cores are available upon request.



This material has been tested on the HP Latex 3500 press and sample rolls are available for testing on customer printers. Ask your Tekra representative for a sample to test.

New! UV Stabilized Clear Melinex® Film

Since it was first invented by two British scientists in 1941, BOPET (biaxial oriented polyester) has long been favored by design engineers for its versatility of properties, including: thermal stability, chemical resistance, flex and tensile strength. One area polyester film is subject to failure is when subjected to UV radiation (i.e. sunlight).

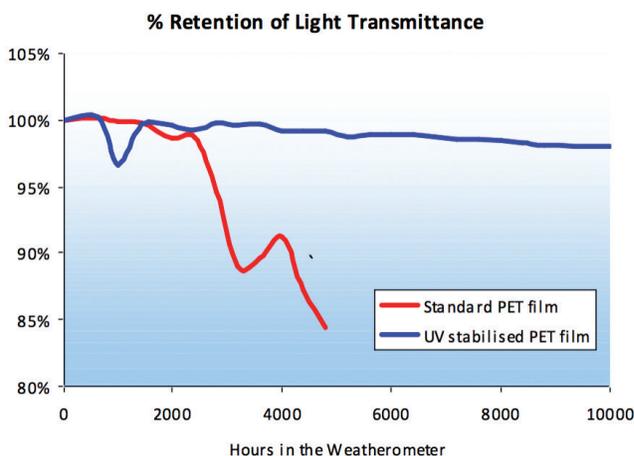
For polyester to perform well in a high UV radiation environment, further modification of the polyester is required.

Failure to protect the polymer chains from being attacked by UV energy will cause degradation of the substrate. This failure typically manifests itself in the film becoming increasingly brittle, yellow, or hazy; resulting in the loss of optical properties.

Tekra is proud to introduce DuPont Teijin Films™ [Melinex® TCH UV](#) series – a new line of [super clear Ultra Violet \(UV\) stable polyester films](#). Available in 200 & 500 ga, these UV stable films are super clear, heat stabilized, and two-side primed for improved handling and adhesion of inks and coatings. Melinex® TCH UV is a product expansion of the

family of low haze and low oligomer bloom films ideally suited for applications ranging from outdoor labels and overlays, to photovoltaic (PV) cell modules, and flexible electronic components.

The chart below illustrates enhanced UV performance that can be expected with certain product designs. All films were tested using a weatherometer according to ISO4892, and are compared to non UV stable films.



For more information about [UV stable Melinex® polyester](#) film, call a Tekra representative today and discuss your specific needs.