

TEKRA NEWS

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DISCOUNT & OPPORTUNITY BUYS

NEW PRODUCT LAUNCH

New DuPont 5064 Silver Conductive Ink for Printed Electronics

Tekra now offers DuPont MCM silver 5064, a highly conductive ink formulated for printed electronics. Customers using DuPont 5064 may attain single pass printing and high conductivity where two passes were previously required, improving productivity. DuPont 5064 can be used in RFID, membrane switch and interconnection circuitry applications. [Click here for more product info](#)

NEW PRODUCT LAUNCH

MARNOT
HARDCOATED FILMS

New Marnot® Anti-Glare Polyester Hardcoat

Tekra has developed a new anti-glare hardcoated polyester called Marnot® AG. The film provides superior optical properties with the added benefits of enhanced pencil hardness and clarity for an anti-glare film. As with all Marnot products, the film provides scratch, abrasion, and chemical resistance and is process friendly. Stocked in 7mil, samples are available for testing. [Click here for more product info](#)

FEATURED PRODUCT



3M™ VHB™ RP Tape Family

3M has introduced a new, lower cost 3M™ VHB™ RP Tape family. 3M™ VHB™ RP Tapes provide a virtually indestructible bond by spreading the stress load across seamless joined surfaces free of metal closures and screws.

- Stress distribution
- Expansion and Contraction
- Waterproofing
- Conformability
- Design flexibility
- Smooth, invisible appearance

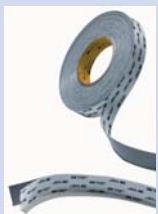
Application ideas include:

- Access panels in walls, floors and ceilings
- Decorative trim
- Removable signs and graphics.

3M™ VHB™ RP Tapes are available in five different gauges all at the same price.

3M™ VHB™ RP Tapes - the right product, the right performance, now at the right price.

[Click here for more information on 3M™ VHB™ RP Tapes](#)



3M™ VHB™ RP Tapes provide a number of benefits including:

- Instant bonding
- Shock absorption

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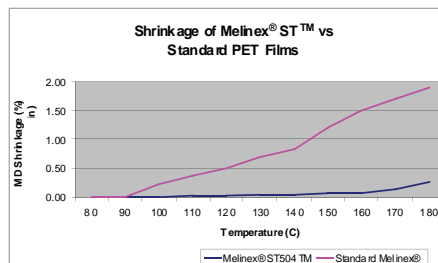
DuPont Teijin Films™

Melinex® ST™ Films

DuPont Teijin Films is the leading high quality supplier of polyester and PEN films, building on more than fifty years experience. For many of those years the thermally stabilized Melinex® ST™ polyester range has been available.

TEKRA SPOTLIGHT

These products have provided enhanced dimensional stability for higher temperature applications and processes. The figure below shows the shrinkage response of a typical product in that range versus standard Melinex® and Mylar® films.



In 2006 DuPont Teijin Films commissioned a multi-million dollar investment to build a new state of the art stabilizing machine in the USA. This asset can stabilize from 2mil to 14mil, with a max web width of 76". Proprietary technology is employed to provide best in class dimensional stability, consistency of shrinkage, web flatness and surface quality. Further parameters such as shrinkage and flatness can be customized to match your application.

Today the line is running a wide variety of film types into many diverse applications such as printed electronics, display, PV, MTS and medical diagnostics.

Simon Shepherd, Business Manager for the Stabilized Films, says "Our

Melinex® ST™ range is a great option for many applications. The improved dimensional stability can be used in higher temperature processes, for holding registration in multi-pass printing or in applications where peak temperatures would provide an unacceptable response from our standard films. All of these benefits come with no compromise to the excellent performance of polyester or PEN films, for example mechanical strength or chemical resistance".

DuPont Teijin Films is actively working to develop new products that include this dimensional stability and are happy to work on new projects.

The flexibility of the current manufacturing process allows any standard product to be further stabilized within the thickness and width criteria previously stated. Film options could include variations in polymer for color or optics, coextrusion for multiple layers and coatings for a wide array of surface effects.

Since 1992, Tekra is your source for Melinex ST film. Our ability to manufacture custom hardcoats, complements our ST film portfolio. At Tekra, we see your future in PET films. Call us today.



[Click here for more information on Melinex ST Polyester Films](#)

New Coating Line Improves Customer Support

In June, Tekra installed a new piece of equipment that will greatly enhance our ability to support our customers. A high speed, sophisticated sheet coater **NEW ADVANCEMENTS** was installed so that smaller runs of custom material can be done efficiently and quickly. Virtually any film or paper available in sheets can now be enhanced with Tekra's market leading Dura-Go® coating for the HP Indigo press.

The new coater will improve Tekra's ability to produce extremely

flat sheets and small prototype runs while offering a coating that is on a par with materials run on our roll coating lines. This equipment in addition to our lab coater, places Tekra in a unique position of being able to develop **coated products** from concept to commercialization. Our chemists and engineers have spent years working with coating for print enhancement and adhesion, protective coatings for film and weatherable coatings.

Tekra's customers can soon expect to see a product offering unmatched anywhere. Heavy gauge materials will be delivered flat

with no curl present. Custom pressure sensitive films with special adhesives or face stocks can be delivered quickly in relatively small quantities. Trials for hardcoats and other special surfaces will be accomplished quickly and efficiently. Custom colors of PVC and styrenes will be available in small minimum orders.

Even papers that many HP Indigo commercial press customers have been seeking will also be available. Tekra is qualifying coatings at the time of this writing and expect a rapid qualification of our new coating line.

Please contact your Tekra Sales Representative for details on our new sheet coating offerings!



Tekra's newest equipment investment: A high speed sheet coater for small runs of custom materials.

TEKRA ANNOUNCEMENTS

Tekra's Dura-Go Green

Tekra's work to provide environmentally friendly materials has resulted in the addition of two new label materials to the largest sheet stock of HP Indigo optimized films available anywhere. **I8Q202** is a clear PLA (Polylactic Acid) pressure sensitive film with a clear emulsion adhesive that meets the guidelines for CONEG and FDA materials. The product also meets the requirement for ASTM F963A, a toy safety standard. **I8Q102** is the white version with the same adhesive system. Both items will be stocked in 12" x 18" sheets at 250 sheets per package. PLA is a non-petroleum, corn based polymer.



This is a beginning of an effort to supply products that are eco-friendly and yet will offer the printability and the durability needed to meet the demanding specifications required by safety labels and signage. Tekra currently is working on sourcing additional green films such as polyethylenes, polypropylenes and other environmentally friendly plastics and adhesives.

If you have a need for a specific material or need to comply with evolving environmental standards, call Tekra for product advice, assistance, samples and datasheets. [For more information on Tekra's Dura-Go films, click here](#)

FEATURED PRODUCT



Lexan® Film for Identity Cards

Identity cards and security cards are growing in use and sophistication for a variety of applications: drivers licenses, employee ID, healthcare, residency and many other uses. To meet the unique needs of this market, **SABIC Innovative Plastics** has introduced a new film, **Lexan® SD (Security Documents)**.

These films have the many positive attributes that polycarbonate is best poised to deliver for customers: high temperature resistance, great surface textures for printing, tight gauge tolerance, low shrinkage, special colors and features.

The Lexan® SD film product group has all 3 primary products that manufacturers need to create cards. The films are the SD8B14, SD8B24 and SD8B94.

Lexan® SD8B14 film is a clear polycarbonate that is used as the overlay layer. The texture for the film is fine velvet one side and fine matte the other side. The SD8B14 is made from 2 mils to 16 mils gauge.

Lexan® SD8B24 is an opaque white polycarbonate film. The white color is designed to hide embedded security devices. This film has a fine velvet / fine matte texture. This film is available from 3 mils to 25 mils.

Lexan® SD8B94 is perhaps the most unique film in that it is laser markable to assist in making the card counterfeit resistant. The texture is also fine velvet/fine matte. This transparent film is available in 2 mils to 6 mils gauges.



All three of these films are made in 48" wide master rolls. The films are produced in a clean room environment in Europe, but with stocking availability in the U.S.

Tekra has an extensive set of samples of the new Lexan® SD films and we encourage customers who manufacture identity and security cards to ask their Tekra Sales Rep for an 8"x10" sample of the film and gauge of your preference.

Lexan is registered trademark of SABIC Innovative Plastics.

[For more information on Lexan SD Films, click here](#)