

# TEKRA NEWS

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## DISCOUNT & OPPORTUNITY BUYS

### NEW PRODUCTS



## Now Possible: GOLD & SILVER PVC for the Commercial HP Indigo Presses

Tekra is now stocking a non-metallic gold and silver 10 mil rigid vinyl that really sparkles. This matte/matte film will add a rich look where ever it is used. Add a UV top coat and it will dazzle its audience. The product is coated on both sides for HP Indigo printing. Call Tekra or your xpedx distributor for print size samples and show your customer how to shine! [Click here for more information on Dura-Go PVC](#)

### TRADE SHOW



## Graphic & Product I.D. Business Expo

Tekra has a booth at the Graphic & Product I.D. Business Expo in Chicago IL, September 26-27th, 2011. The show is sponsored by GPI and runs in conjunction with the 61st semi annual meeting. Tekra will be showing a variety of products including polyester, 3M adhesives, and Tekra manufactured hardcoats. We hope to see you there!

[Click here for more information on the GPI](#)

### FEATURED PRODUCT

## Lexan® Eco Friendly EFR Films Now Available

Looking for an environmentally responsible flame retardant film? Tekra has you covered with the new Lexan® Eco Friendly

manufacturers comply with upcoming environmental standards.

In addition to benefiting the environment, these products are UL compliant and can be used in place of Lexan's traditional FR films. Higher puncture resistance and excellent dielectric strength make these films the better choice over the competition. Typical applications include battery labels and computer insulation.

Available in thicknesses from 5 to 30 mil, EFR films can be quickly procured from Sabic in short lead times. Call Tekra for free samples.

[Click here for more information on Lexan® ERF Films](#)



EFR Films. Made with non-halogenated, non-brominated, and non-chlorinated flame retardants, these films are helping electronic

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### TEKRA SPOTLIGHT

## Tekra Launches New Marnot Advanced LI Polycarbonate

Tekra has launched a new hardcoated film called Marnot Advanced LI Polycarbonate (PC). Marnot Advanced LI PC is a new hardcoated polycarbonate with many benefits including ultra low iridescence.

Iridescence, sometimes referred to as corona, is a rainbow or oily sheen visual phenomenon that can be seen on the surface of a film when viewed from certain angles. With Marnot Advanced LI Polycarbonate, we have virtually eliminated iridescence by using refractive index matching technology. In essence, we matched as closely as possible the bending angle or refraction of a beam of light entering both our coating and the polycarbonate base film. By matching the refraction of light, the iridescence virtually disappears. This allows you to have vibrant colors such as appliance white, jet blacks, and crisp metallics with no rainbow or oily sheen patterns.

This new film has superior chemical resistance compared to the competitive films in the market place. Marnot Advanced LI Polycarbonate passes all the standard hardcoat chemical resistance testing including chemicals such as MEK, acetone, and common household cleaners. In addition, the film passes exposure to "hard to resist" chemicals such as Schering Plough's Coppertone™ SPF 70+ spray and lotion and SC Johnson's Deep Woods OFF™ with 25% DEET.

Best of all, as manufactured, the film passes all chemical resistance testing. No post curing of the film is needed to obtain this chemical resistance. This saves time and money as you can eliminate removing the mask on the

hardcoat side and processing an additional curing pass with the hardcoat side face up in order to activate

# MARNOT

*Advanced*

chemical resistance as is needed with the competitive films.

Marnot Advanced LI Polycarbonate is first and second surface printable. It can also withstand up to 10 second surface decoration passes before you need to first surface decorate. This is an extremely important process benefit as it eliminates the need to do blind registrations. Most hardcoated films require you to do the first surface decoration (texture inks or clearing inks for windows on the hardcoated side) either on the first or second decoration pass in order to get the proper adhesion. Then when the sheet is flipped over, it is extremely hard to register the printing to what you did on the first surface because it is hard to see, hence the term blind registration. Blind registration can cause upwards of 15% yield loss which is another savings with using Marnot Advanced LI Polycarbonate.

Additional benefits include outstanding embossing including less micro cracking of the hardcoat, ease in die cutting, and excellent abrasion resistance.

Marnot Advanced LI Polycarbonate is available in 7, 10, 15, 20, and 30 mil sheets. Data sheets, information sheets, and 8"x10" samples are available for your testing. Call one of our sales representatives today!

[Click here for more information on Marnot Advanced LI Polycarbonate](#)

## The Many Shades of "Green"

Even a casual reader of the trade and consumer press can quickly be overloaded with the number of terms, concepts and approaches being introduced into the environmentally friendly use of polymers in manufacturing and product packaging. A recent issue of **GREEN SPOTLIGHT** *Plastics News* covered in great detail the use of compostable PLA film in Sun Chips bags and the economics of post consumer recycling PET. Both topics seemed to be old news but the articles pointed out the constant evolution

these products and markets have faced. The use of PLA in Sun Chips bags is ongoing but to a lesser extent based on poor consumer reaction to loud crinkle sounds from the bags. Consumer press coverage has added to the confusion with terms



like "plant based, renewably sourced", "non-plastic" and "bioplastic" when covering the new PET resin that is manufactured from ethanol instead of petroleum or natural gas. The ethanol comes from plant waste or sugar cane and the PET produced is chemically identical to its older cousin. Greener to be sure but still a plastic polymer that can and should be recycled wherever possible. Confusion aside, Tekra's commitment to sustainable practices continues. We reclaim our production waste wherever possible either for reuse in our own

processes or for sale into the recycling stream. Supplier packaging materials are reused or returned to our suppliers. We have invested in technologies that reduce our use of solvents and the consumption of fossil fuels. We are rigorous in our compliance with all air and water emission regulations. Finally, we continue to evaluate film products produced from bioresins for compatibility with our customers' many requirements. When that truly green plastic is invented, we'll be the first to make full use of it.

### DISTRIBUTION NETWORK

## Tekra Hardcoated Films Now Available in Asia

Tekra has made great strides over recent months in expanding our presence in Asia-Pacific markets. We have built strong distribution partnerships to ensure that our hardcoated films are readily available in country in China, Hong Kong, Taiwan, Thailand, Australia and New Zealand, among other Eastern countries.

Our Marnot® and ProTek® brand hardcoated Polyester and Polycarbonate films will be held in stocked inventories by our distribution partners. These partners and their contact information can be found on our website in a new "Distribution Web Page" at: <http://www.tekra.com/content/about-tekra/coated-products-distributors>.

We know some hardcoated jobs and applications are designed and tested in North America but manufactured for production overseas. If you have any production done internationally, you can now specify Tekra's quality hardcoated films for use in that production - with peace of mind that your subcontractor can easily access those materials!



[For more information on Tekra Hardcoated Products, click here](#)

### COATING CAPABILITIES

## We've Got A Whole Roll In Our Hands

Some of the biggest things start small. Introducing.....Tekra's lab coater! Tekra now has the ability to test coatings on a small scale with the addition of our lab coater. Rolls as narrow as 3"- 4.5" and between 1-15 mils thick can be tested in small quantities eliminating the timely and costly trials of the past. The lab coater allows our engineers to make needed adjustments to formulations and allows them to process and test samples instantly.

Tekra's Lab coater fast facts:

Widths	3-4.5"
Gauge	1-15mil
Line Speed	.5-10 m/min
Corona Treatment	2 KW treater single side
UV Curing	300 W Fusion H bulb
Thermal drying	350F
Masking	NA
Unwind Core (I.D.)	3" or 6"
Unwind Diameter	10"
Rewind Core (I.D.)	3"
Rewind Diameter (O.D.)	8"
Coating Thickness	1-40 microns wet

Our lab coater is excellent for duplicating clear coating properties. And, while matte coated substrates may exhibit somewhat of a different gloss, haze and/or clarity

combination than they would on our production coaters, the lab coater still provides invaluable information regarding a specific coating's ability to adhere.

In addition to developing our own custom coatings, Tekra can serve as a toll coater for your business as well. Our coaters are enclosed in white room and Class 10,000 clean room conditions. We have the ability to coat a wide variety of substrates with an array of different coatings. Please call us with your coating projects. We would be happy to work with you on your toll coating project.



[For more information on our coating capabilities, click here](#)