

TEKRA NEWS

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NEW PRODUCTS

Additional Hardcoated Polycarbonate Added to JetView Line

Tekra is pleased to announce that we have added a new coated JetView Marnot Advanced Polycarbonate to our inventory. A 20 mils thick version has been added to the line to compliment our existing 10 mil version. JetView Marnot Advanced Polycarbonate LI is a clear film that offers Tekra's proprietary hardcoat on one side for scratch, chemical and abrasion resistance. The opposite side has Tekra's UV inkjet receptive coating that greatly enhances ink adhesion.

Unlike other hardcoats, JetView Marnot Advanced LI PC has ultra-low iridescence, making it the most visually appealing UV inkjet hardcoated polycarbonate available. Click here to receive more information, request a free sample, or request a quote for this new addition to the JetView line.



New Digital Presses Launched at Dscope 9

TRADE SHOW NEWS

The Digital Solutions Cooperative (Dscope) recently held their 9th annual Dscope Conference in Orlando, FL. This user group serves professional commercial and industrial graphic arts companies operating Hewlett-Packard (HP) printers including HP Indigo, HP Scitex, and HP Latex presses.

Tekra, a gold partner of Dscope, had a booth in the solution showcase for Dscope9. The two biggest draws of the show were the two new HP press platforms, listed below, that will take digital printing to the next level:

HP Indigo 10000- This new press increases the size sheet that can be typically run on HP Indigo presses from 12"x18" to 20.9"x29.5" while maintaining



the speed and quality of the HP Indigo 7600.

HP Latex 3000 inkjet – This new cutting edge printer delivers durable, high quality, high volume printing with the added benefit of flexible water-based latex inks. With the ability to print rolls up to 126 inches wide, this press is an excellent choice for point of purchase displays and back lit signage applications.



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The New Tekra.com

TEKRA SPOTLIGHT

In late April, Tekra launched an updated and more modern looking Tekra.com. Although the old site served us well, and hopefully you well too, we wanted to enhance our website by offering the ultimate user-friendly experience, with improved navigation and functionality, while listing our whole product portfolio. With the new website, we believe we have accomplished that.

So what is different with the new Tekra.com? Other than a cleaner and sleeker look and feel, here are a few of the new key features that we believe will enhance your browsing experience:

Full Product Portfolio - Tekra.com now lists nearly every product Tekra can offer from all of our vendor partners such as 3M, DuPont Teijin Films, and SABIC Innovative Plastics along with all of our manufactured products in our digital films and hardcoated films portfolio. Make sure to peruse the "Product Section" on the site as we are sure you will find product and/or product categories listed where you will say, "I didn't know I could buy that from Tekra?"

Product Filters – While you are perusing the "Product Section" of our site, you will find Product Filters on the left hand side of each product section. These filters list key product attributes that you can select to help you easily narrow down the product portfolio to only show the products that fit your exact need.

Reducing Your Amount of Clicks – With any site, navigating the site with the least amount of clicks is essential. We kept this in mind when designing the site and put in features such as 'Look Ahead Navigation,' Tool Boxes and multiple ways to get to where you want to go in the least amount of clicks possible.

Mobile Device Friendly – We created our site with 'Rapid Response,' which means

that the site will always be easy to read and navigate no matter if you are viewing it on a PC, iPad, or cell phone. The site will automatically adapt itself to the best viewing format depending on the device you use.



RFQ's & Sample Request Cart – To make requesting quotes and samples easier and faster, we created cart functionality for it. Now you can request multiple samples and quotes that are gathered in a cart, and you will only need to fill out your contact information once when you are ready to check out.

Corporate Blog – We have created a blog where all of our most recent Tekra and industry content and news, 'Featured Product' and 'Application Spotlight' articles, and new 'Technical Tips' will be published. We highly recommend that you bookmark this page and come back often to see the better and more richer content.

There is so much more that our new site has to offer that we can not list them all in this article; so please check it out for yourself. In addition, we would also like you to tell us what you think about the site. You can leave us a message by clicking the "Feedback" button at the bottom of the site or talking with our sales department.

Please visit our new site at www.tekra.com. We really think you will like what you see.

Fine Dyne-ing with Melinex® PET Films

TECHNICAL TIP

The subject of dyne level, or surface energy, is really a discussion of the printability, or wettability, of a given substrate.

In the case of thermoset plastics, such as Melinex® polyester (PET) film, Tekra can assist with a basic explanation of PET film structure and offer suggestions for print treatments to improve your print success.

Any discussion of dyne must include a disclaimer that all customers should continue to work with their ink, film and equipment manufacturers when optimizing print adhesion or when troubleshooting.

DuPont Teijin Films™ (DTF), has process capability for enhancing dyne through both chemical and electrical means. The majority of the films Tekra supplies are chemically treated films.

During the manufacturing of PET, the web is bi-axially oriented (BoPET), or 'stretched' in the machine direction (MD) and transverse direction (TD). This biaxial stretching orients the molecular structure making polyester film inert to many chemicals, including that of most printing inks.

PET print treatments added

during manufacturing serve to raise the surface energy, thus improving the wettability / adhesion to printing inks. Untreated Melinex® polyester films have a typical dyne value of around 38 dynes. Print treated Melinex® polyester films have a typical value of around 42 dynes.

Besides dyne level, there are many variables that can impact print adhesion to plastic film

substrates.

If your next printing application requires a print treated polyester film, please contact your Tekra sales representative or visit us at www.tekra.com



FEATURED PRODUCT

New LEXAN™ FR700NV

In an effort to provide a price competitive alternative to flame retardant polypropylene (FR PP), SABIC has introduced a new flame retardant polycarbonate film, the LEXAN™ FR700NV. The FR700NV has looser surface quality specifications vs. the LEXAN™ FR700, which has allowed the FR700NV to be priced competitively with FR PP. Targeting internal electrical or thermal insulation applications, these quality specifications tend to be much less critical for this market space.

In addition to providing good value for internal insulation components, the FR700NV has good dimensional stability at high temperatures and good flame performance. In fact, the FR700NV has a higher Relative Thermal Index (RTI) rating of 130°C vs. 115°C for FR PP. With a UL94 V-0 listing, the FR700NV holds the same rating as the FR700 and FR PP.



Like the FR700, the FR700NV is available in a black, matte/velvet texture. The FR700NV is offered in 17, 20, and 30 mil. Tekra can supply material in both roll and sheet form and can convert to order. Contact Tekra today for free sample material of the FR700NV.



LEXAN is a trademark of SABIC.

FEATURED PRODUCT

Perfection in Protection



3M has introduced a new series of surface protection tapes called 3M™ Temporary Protective Tapes 800 series. The new series is much more robust and, as a result, will be replacing some of 3M's traditional protective tape products.

Some of the benefits of 3M™ Temporary Surface Protective Tapes Series 800 include:

- The ability to withstand 3 days of direct UV exposure.
- Improved performance in extreme temperatures (both low and high heat conditions)
- Improved performance in high humidity environments
- A more universal adhesive allowing it to perform well on a wider range of substrates. This may allow users to lessen the number of protective tape products used in their

processes.

- Smoother release for ease of removal.
- Better "wet out" properties helping to reduce bubbles and tunneling on application
- Improved initial repositionability

The 800 series will be replacing three of Tekra's stocked 3M polymask products. Customers who have traditionally purchased 3M™ Protective Tape Products 3110C and 3125C will now order 3M™ Protective Tape 31825. Customers who have purchased 3M™ Protective Tape Product 3126C will now order 3M™ Protective Tape 31826. The attached cross reference chart will help assist you to find the correct replacement on 3M's complete line of protective tapes in transition. Please call your Tekra sales representative at 800-448-3572 for further assistance.

From (Old) Adhesive	To (New) 800 Series Adhesive
4	804
05 (used on glass or smooth surface)	804
05 (used on lightly textured surface)	825
10	825
12	825
25	825
26	826
29	829

