Portable Clean Room Operations

Tekra has recently added a portable clean room operation to our New Berlin, WI converting facility. Stationed within our existing white room environment, the unit is equipped with standard clean room features including a positive pressure HVAC system supported by HEPA filtration. Particle counts of <3000 allow Tekra to produce very clean slit roll materials.

Tekra Launches New Film - Marnot® Advanced Clear PET

Tekra Corporation introduces Marnot® Advanced Clear Polyester to the market place. This hard coated plastic film is our latest addition to the Marnot family, and it incorporates our R&D coating advances to improve our product performance.

Marnot® Advanced Clear Polyester (PET) has some unique benefits centered on chemical resistance, abrasion resistance and pencil hardness.

Superior chemical resistance is a major attribute for Marnot® Advanced Clear PET. From sun screen to insect repellent, this film is designed to handle exposure to a wide variety of chemicals.

This new film passes chemical resistance tests for standard industrial chemicals, such as MEK and Methylene Chloride. In terms of household chemicals, the film resists staining by mustard, tomato juice and common household cleaners.

In addition, it is the only Marnot® film that passes exposure to Schering Plough’s Coppertone™ SPF 70+ spray and lotion. Plus, Marnot® Advanced Clear PET passes testing with SC Johnson’s Deep Woods OFF™ with 25% DEET.

Marnot® Advanced Clear PET also has improved abrasion resistance. Our standard Marnot® XL Clear PET has an abrasion resistance Tekra test value of “8”, while our new film registers a “5”. What this means for customers is an improved scratch resistance for their application.

Better pencil hardness is another reason to switch to Marnot Advanced® Clear PET. When we test pencil hardness for our standard Marnot® XL Clear PET film, the typical value is “H-2H”. However, Marnot® Advanced Clear PET has typical pencil hardness Tekra test results of “3H”. This means that the new film has a harder coating.

This new film also has the traditional Marnot® product family properties. The film is outstanding for embossing and die cutting.

Customers can use solvent and UV inks. The film is first and second surface printable.

In a summary statement of customer benefits, per Jason Wichmann, Tekra R&D Manager, “Marnot® Advanced Clear PET is the hardest, most stain resistant, and cleanest coated film that Tekra has ever developed, yet it maintains good embossability and price competitiveness.”

Marnot® Advanced Clear PET is available in 0.007” gauge. The film is inventoried in 49” bulk rolls which Tekra can convert to any size sheet or roll a customer requests. Tekra has ready made on the floor 48”x24” stock sheets too. Samples and datasheets are available from your Tekra sales representative.

Consumer products can be exposed to many tough chemical lotions and sprays (sun screen, insect repellent …) and endure many rough handling situations. Tekra now provides our customers with a better solution.

Marnot® Advanced Clear PET is ideally suited for a number of applications:

3M™ Silicone Laminating Adhesive Tapes

3M has recently launched two new pressure sensitive silicone adhesives-91022 and 96042. The products are designed to bond to difficult to bond surfaces including most silicones and low surface energy plastics. 3M™ Silicone Laminating Adhesive 91022 is a 2 mil transfer tape and 96042 is a 2/1/2 double coated tape with 2 mils of 3M™ silicone laminating adhesive on both sides of a 1 mil PET carrier.

In addition to providing bond strength to difficult to bond to substrates, 3M™ Silicone Laminating Adhesive Tapes come standard with a single liner which helps save time and money by not having to remove a secondary liner. The tapes also have extremely high heat resistance (Adhesive can withstand up to 500°F. The PET carrier in the 96042 double coat option can withstand up to 300°F).
Marnot® Advanced Clear Polyester Now Available

Customers should think about challenging applications that other film solutions had difficulty meeting expectations, and try this new film instead.

“This product has great potential to meet industry demand for products with more stringent and compliance driven needs. In particular, key target industries are appliance, integrated membrane switch and consumer electronics”, said Carl Sommerstad, Director of Technical & Export Sales.

- Superior chemical resistance
- Improved abrasion resistance
- Better pencil hardness

These are all reasons to consider Marnot® Advanced Clear Polyester for your next coated film application. Call and ask your Tekra sales representative to send you samples and information about Marnot® Advanced Clear Polyester.

For more information on Marnot® Advanced Clear Polyester, click here

Tekra is pleased to announce we are expanding our line or scratch and chemical resistant coatings and films with the introduction of Marnot Advanced PC and PET films.

All of the following products have improved scratch, abrasion and chemical resistance compared to uncoated film, plus some have another benefit highlighted. The new Advanced line offers improved pencil hardness and resistance to harsh chemicals such as SPF 70 sun screen and DEET. Tekra coats one or both sides of these films. These product families are excellent for embossing and die cutting. They also are first and second surface printable with both solvent and UV inks. The films are RoHS and REACH compliant.

Master rolls are 48” (PC) and 49” (PET). Tekra stocks standard sheet sizes and will convert to custom roll and sheet sizes. Tekra’s online stock list outlines the gauge and size combinations available for Marnot® and ProTek® product lines.

3M™ Quick Bonding Adhesive 360 Offer

Now through March 31st, 2011, save 10% off regular priced 3M™ Quick Bonding Adhesive 360 through Tekra. Call 1-800-437-0273 and mention promotional code 360SAVINGS to get the discount.

3M™ Quick Bonding Adhesive 360 allows you to design thinner products while using lighter weight materials. With a thin 2-mil or 5-mil transfer tape or thing 2-mil or 4-mil double-coated tape using 3M™ Quick Bonding Adhesive 360, sheer and peel strengths are equal or greater than other thicker tapes.

Additional benefits of 3M™ Quick Bonding Adhesive 360 include:

- Excellent adhesion to a wide variety of substrates including both high and low energy surfaces.
- Superior quick stick, reducing dwell time needed to reach maximum bond strength.
- Ease in converting, so you can process materials quicker.
- Excellent solvent resistance.
- High Temperature performance.

Sometimes more isn’t better so “Get Thin” with your applications by using 3M™ Quick Bonding Adhesive 360 and save 10%!

One coupon per customer with this offer.

For more information on 3M Quick Bonding Adhesive 360, click here

For more information on our coating capabilities, click here

## COATING CAPABILITIES

**Taking Resistance To A New Level**

Tekra distributes polycarbonate (PC) and polyester (PET) film which customers utilize in a wide variety of applications. However, in some cases an application requires better scratch and abrasion resistance, improved chemical resistance, or perhaps even UV resistance.

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**Products:**

- **Marnot® XL Clear-90-75-55-35-20 PC**
  - These PC hard coated films vary in gloss level from “clear” to “20 or most matte”.
  - **Marnot® XL Textured PC**
  - Coating on velvet polycarbonate surface
  - **Marnot® XL Clear FR PC**
  - Flame Retardant UL94 V-0 base film
  - **Marnot® XL Clear-90-75-55-35-20 PET**
  - These PET hard coated films vary in gloss level from “clear” to “20 or most matte.”
  - **Marnot® Advanced Clear PET**
  - Tekra’s best chemical resistant film
  - **Marnot® AG PET**
  - AG stands for Anti-Glare benefit
  - **ProTek® Fine Texture PET**
  - Fine texture first surface option
  - **ProTek® Weatherable Clear PET**
  - The addition of UV resistance
  - **ProTek® Satin UV Printable PET**
  - Satin is a velvet texture for polyester
  - Coating polycarbonate or polyester is just the beginning for Tekra; we also coat many other substrates. “Resistance” is also just a starting point for Tekra’s Research & Development group; they have created many unique coatings to improve the performance of polymer films. Discuss your biggest challenges with your Tekra Sales Representative today!

For more information on our coating capabilities, click here