Medical Polyester Films
Medical Specialty Adhesives
Proven Expertise

Being the exclusive authorized distributor of DuPont Teijin Films™ PET films in North America has its benefits. As a Tier 1 supplier to major medical device manufacturers, Tekra is well versed in the compliance requirements of the Food and Drug Act and operates in compliance with Current Good Manufacturing Practices (cGMP). Tekra bridges the gap between industrial commodities and high quality medical consumables for our OEM and converting customers.

Our successful track record as a Medical Diagnostic film converter and specialty coater has earned Tekra unique expertise. Our focused medical sales and marketing team provides original equipment manufacturers and converters premier service and consulting for a wide variety of medical film products. We are confidently staffed to guide customers through the process – from project inception through development; to qualification and clinical trials; and on to final market launch.

Innovative Solutions for Medical Applications

Tekra is at the forefront of delivering the highest quality materials to realize the vision of device designers. We’re often at the ground floor to shape next generation project development.

It’s a challenge we embrace with the support of world-class suppliers who are as deeply committed to delivering innovative Just-In-Time (JIT) delivery and custom solutions as the medical market visionaries.

Tekra delivers on innovation by offering a wide range of proprietary coatings applied in Class 10,000 clean room conditions with the range of DuPont’s polyester films and conductive inks, and 3M™ Medical Specialties Tapes. At Tekra, virtually any medical application requirement can be realized.
3M™ Medical Specialties Tapes

3M™ has a broad range of medical tapes and component products used in markets such as surgical medical and biomedical and electrodes. As a prestigious Preferred 3M converter, Tekra has access to 3M™ Medical Specialties Tapes to support your application requirement.

Whether end product needs call for short-term use or long-term wear, 3M products provide excellent conformability, breathability, and hypoallergenic properties with adhesion ranging from gentle to aggressive.

**Pressure Sensitive Adhesive Products**

- **Film Tapes** – Tapes are available in single and double coated formats ranging from breathable to occlusive with gentle to aggressive adhesion.
- **Nonwoven and Fabric Tapes** – Excellent conformability and breathability for extended wear applications. Printable options are also available.
- **Foam Tapes** – Soft, cushiony alternative to film and non-woven tapes often adhering better to flanges or skin.
- **Closure Systems** – 3M™ Low Profile Hook and Loop are specially designed for stick-to-skin applications.
- **Release Liners** – Paper and film liners are available in a variety of gauges.
- **Transfer Tapes** – Hypoallergenic acrylate adhesives and new EtO sterilization compatible series of silicone pressure sensitive tapes are available.
- **Hydrocolloid Adhesives** – Skin friendly attachment adhesives suitable for longer wear.

While many different variables need to be taken into consideration when selecting a 3M™ Medical Specialties Tape, Tekra has the expertise to navigate the choices. Uncontrolled variables such as basic human factors (ethnicity, diet, health, environment and age) can all play a role in how a tape will perform.

When designing a product, it’s easiest to focus on controlled variables such as breathability, conformability, tape thickness and size of the overall size of the contact area. Tekra will help choose the right tape combination for your medical project.
Melinex® and Mylar® Polyester Films

Melinex® and Mylar® polyester films, manufactured by DuPont Teijin Films™, are versatile and adaptable with outstanding performance for medical diagnostics.

- Inert and plasticizer free – void of surface migration over time.
- High stiffness – thin film retains rigidity compared to other thermoset plastics.
- Dimensionally stable to humidity and temperature changes.
- Tight caliper control – provides repeat high performance.
- Film treatments available for enhanced hydrophilic/ink adhesion.

Tekra offers a broad portfolio of Melinex®, Melinex®ST™, and Mylar® polyester films suitable for many point-of-care healthcare applications.

### Performance Advantages Over Other Substrates

<table>
<thead>
<tr>
<th>Substrate</th>
<th>Physical (Tensile Strength Stiffness)</th>
<th>Thermal (Dimensional Stability)</th>
<th>Thermal (Color Stability)</th>
<th>Optical (Clarity)</th>
<th>Electrical (Dielectric Constant)</th>
<th>Thermo-Formable</th>
<th>Eco-Friendly (Reclaimable)</th>
<th>Cost Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melinex® Polyester</td>
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<tr>
<td>Mylar® Polyester</td>
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<tr>
<td>Polycarbonate</td>
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<td>PVC</td>
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<td>PBT Polyester</td>
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<td>Polystyrene</td>
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<td>Synthetic Paper</td>
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</table>
Tekra carries the premier line of heat stabilized polyester films for medical applications. Recognized as the industry’s flagship product for dimensional stability, Melinex ST is superior when printing close tolerance conductors or other heat sensitive processes.

Our experienced sales team can help direct you to the right medical product for your application. Visit Tekra.com or call us at 800-448-3572.

Melinex® ST™ Polyester.
Heat Stabilized Medical Films

<table>
<thead>
<tr>
<th>Film Type</th>
<th>Gauge Range</th>
<th>Benefits</th>
<th>Pretreatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Super Clear &gt; High optical transparency, clean, smooth, adherable surface</td>
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<td></td>
</tr>
<tr>
<td>ST504</td>
<td>500 - 700</td>
<td>heat stabilized, clear optics, UL 94 VTM-2</td>
<td>one-side solvent</td>
</tr>
<tr>
<td>ST505</td>
<td>500 - 700</td>
<td>heat stabilized, clear optics, UL 94 VTM-2</td>
<td>two-side solvent</td>
</tr>
</tbody>
</table>

| Bright White > Opaque white, flatness, adherable surface | | | |
| ST329 | 500 - 1000 | heat stabilized, pearlescent white, flatness | none |
| ST339 | 500 - 1400 | heat stabilized, pearlescent white, flatness | two-side solvent |

* Dimensional Stability: MD & TD shrinkage for all stabilized films is < 0.1% (150°C, 30 minutes) unless indicated otherwise
When product viability and effectiveness matter, one leader stands out. Tekra is “Best in Class” for high performance plastic films, premiere adhesives, and the science of coating. Trust the **Industry Knowledge Leader**.

**Tekra. A trusted resource for:**

- **Films**
  - Polyester
  - Polycarbonate
  - Hardcoat Polyester & Polycarbonate
  - Digital Printing
  - Rigid Vinyl (PVC)
  - Polystyrene
  - Medical

- **Adhesives**
  - 3M™ Adhesive Transfer Tapes
  - 3M™ Single Coated Tapes
  - 3M™ Double Coated Tapes
  - 3M™ Foam Tapes
  - 3M™ Medical Specialties
  - 3M™ Performance Label Materials
  - 3M™ VHB™ Tapes
  - 3M™ Commercial Graphics
  - 3M™ Membrane Switch Spacers
  - 3M™ Reclosable Fasteners

- **Conductive Inks**

- **DuPont Tyvek®**

- **Protective Tape**

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**Tekra, LLC.**

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**Distribution Centers**

Wilson, NC  |  Santee, CA  |  New Berlin, WI

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