Customer Value Proposition:
TECKFILM is a highly conductive optical quality polyester film used in display applications requiring EMI shielding and transparency. TECKFILM is an excellent choice for EMI shielding of displays or retrofitting of existing displays. Available in both 14 and 50 ohm/sq, the appropriate level of shielding can be easily implemented. It has a low profile 0.005" (0.127 mm) thick design which allows it to be a suitable solution where mechanical modifications of the application cannot be implemented.

The film is coated with a conductive layer on one side that is designed for shielding, grounding, and static discharge applications. TECKFILM is ideal for use on visual displays in instrumentation equipment, LCDs, touchscreens, membrane switches, control panels, computer processing equipment, printers, peripheral equipment, ruggedized equipment, industrial equipment, commercial equipment and large displays.

TECKFILM can be die cut to any size, and is available in standard 15 x 24" (381mm x 609 mm) sheets or in 30" (762 mm) wide rolls cut to length. Gasketing can also be provided attached to diecut parts.

Product Features:
- EMI shielding for displays
- High light transmission
- Two shielding levels 14 and 50 ohm/sq
- Thin sheet material
- Available in custom die cut parts
- 30" (762 mm) roll form (14 ohm/sq)
- 24" (610 mm) roll form (50 ohm/sq)
- 15 x 24" (381mm x 609 mm) standard sheet size
- Thickness 0.005" +/- 10% (0.127mm)
- Ideal for moderate EMI shielding
- Can be retrofit into existing displays
- Available with optical grade PSA backside only as a custom option

Typical Applications:
- Military electronics
- Tempest environments
- EMI shielding for touchscreens
- Shielded cabinets and racks
- Rugged LCDs
- Instrument panels
- Digital signage
- Industrial displays
- Medical displays

Contact Information:
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**Product Information**

**Specifications**

<table>
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<tr>
<th>Material</th>
<th>Heat Stabilized Polyester</th>
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| Surface Finishes | Side 1 - Plain  
Side 2 Option A - Conductive Surface (14 ohms/sq)  
Side 2 Option B - Conductive Surface (50 ohms/sq) |
| Thickness | 0.005" (0.127 mm) +/- 10% |
| Maximum Size | 14 ohm/sq - 30” (762 mm) wide roll by 100’ (30.48 m)  
50 ohm/sq - 24” (610 mm) wide roll by 100’ (30.48 m) |
| Shielding Effectiveness @ 300 MHz | 14 ohm/sq - 31 dB  
50 ohm/sq - 18 dB |
| Light Transmission @ 550 nm | 14 ohm/sq - 75%  
50 ohm/sq - 85% |
| Temperature Range | -45°C to +100°C (-49°F to +212°F) |
| Humidity | 90% @ 60°C for 2 hrs. - No Effect |
| Color | Clear (light gold tint) |
| Order Part # (15” x 24”) | 14 ohm/sq sheet - ITO-15-1524-10  
50 ohm/sq sheet - ITO-50-1524-10 |

**Typical Termination Options:**

1. **Direct Contact of Conductive Surface to Housing/Bezel**
   - [Diagram of option]

2. **Double-Sided CHO-FOIL Adhesive Around the Perimeter of the Conductive Surface**
   - [Diagram of option]

3. **Single or Double-Sided CHO-FOIL “Overhang” with Release Liner**
   - [Diagram of option]

4. **Parker Chomerics Gasket** (Gasketing with wires is not recommended)
   - [Diagram of option]

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**IEEE 299 Open Reference**