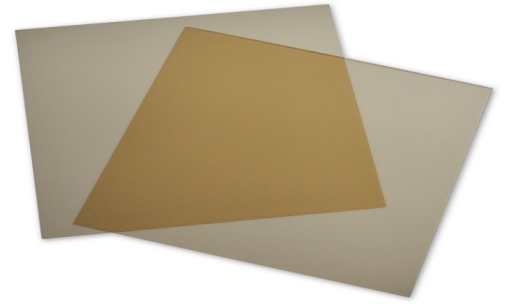


TECKFILM™

EMI Shielded Conductive Film

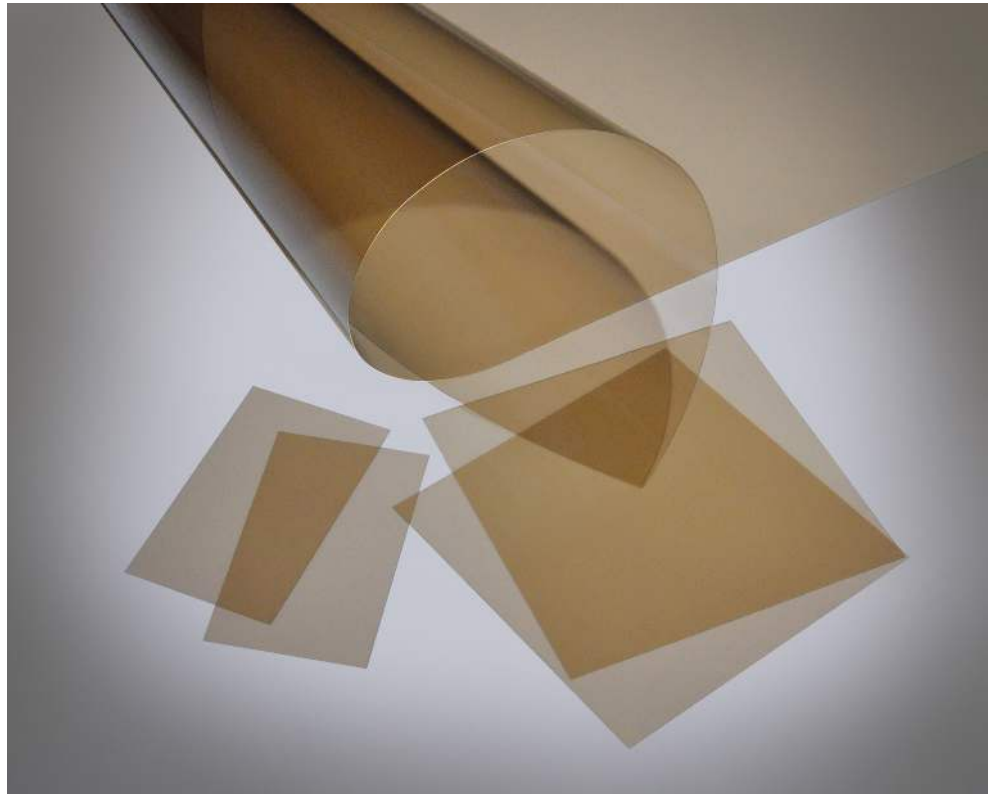


Customer Value Proposition:

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" (381 mm 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" (381 mm 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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77 Dragon Court
Woburn, MA 01801
phone 781 935 4850
fax 781 933 4318
chomailbox@parker.com
www.parker.com/chomerics



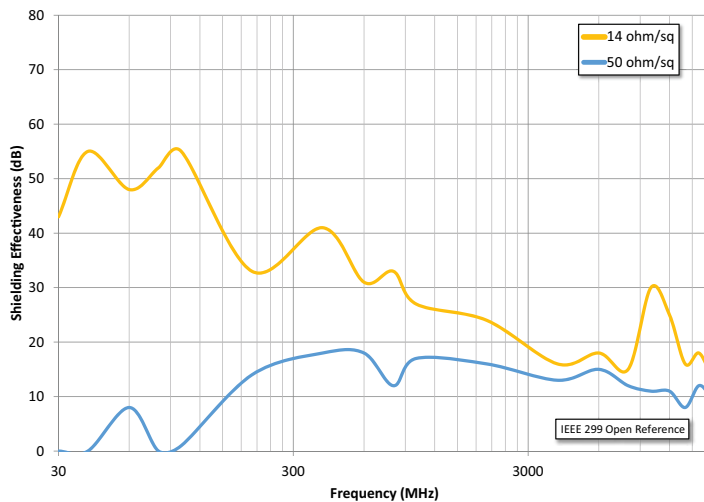
ENGINEERING YOUR SUCCESS.

Product Information

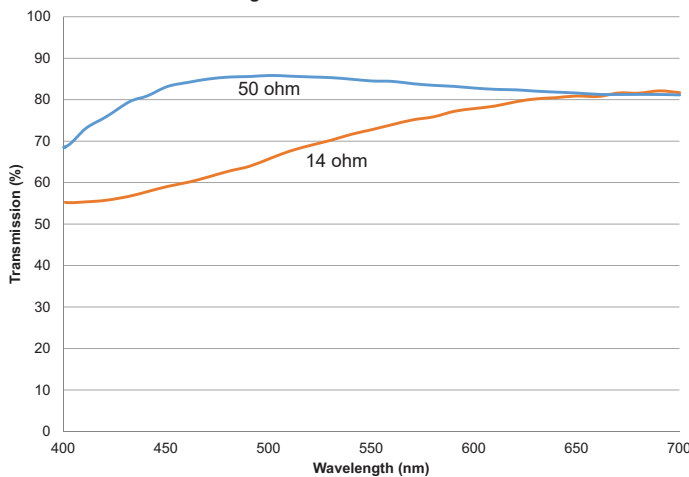
Specifications

Material	Heat Stabilized Polyester
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

Shielding Effectivness



Light Transmission Conductive Films

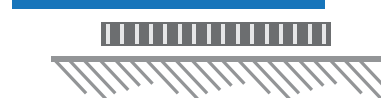


Typical Termination Options:

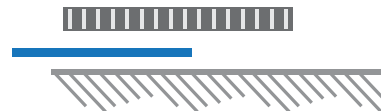
#1 Direct Contact of Conductive Surface to Housing/Bezel



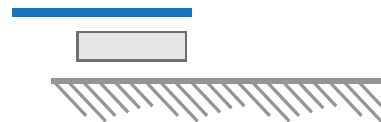
#2 Double-Sided CHO-FOIL Adhesive Around the Perimeter of the Conductive Surface



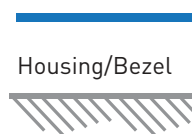
#3 Single or Double-Sided CHO-FOIL "Overhang" with Release Liner



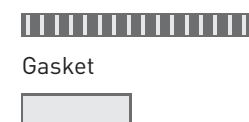
#4 Parker Chomerics Gasket (Gasketing with wires is not recommended)



TECKFILM



CHO-FOIL



Housing/Bezel

Gasket

www.parker.com/chomerics

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