



MATERION



Optically Clear
Low Resistance Films

LARGE AREA COATINGS

Optically Clear Low Resistance Films

Materion Large Area Coatings manufactures precision coated, optically clear, low resistance films for the thin film photovoltaic, flexible electronics, and display industries. The optical clarity and low resistance provide optimum efficiency and high light transmission. This series of films can be applied to PET and PEN flexible substrates and provides low resistance down to 8 ohms/square and greater than 80% visible light transmission.

Markets/Applications:

- Flexible and rigid electronic displays
- Touch screens
- Solar photovoltaics
- Sensors
- Heater elements
- Smart windows



Core Competencies:

- Optically clear films provide reliable electrical performance and exceptional light transmission
- ITO (Indium Tin Oxide) and hybrid conductive oxide construction with a wide variety of resistances to match your system performance needs
- Resistance of the film can be tailored to your application and monitored in-situ to ensure proper film characteristics
- Optically clear low resistance films can be applied to a variety of flexible substrates and offer high optical clarity and precise electrical resistance
- Coatings on PET, PEN, PC
- ITO films from 450 ohms down to 60 ohms/square. Hybrid films from 40 ohms down to 8 ohms/square.
 - 2 to 7 mil thick substrates
 - Widths from 12" to 54"
 - 3" or 6" cores with ITO wound in or out
 - Precision slitting from 62" to .060"

Materion is a global advanced materials company, dedicated to providing solutions that enable our customers' technologies and drive their growth. Our products include precious and non-precious specialty metals, precision optical filters, inorganic chemicals and powders, specialty coatings, specialty-engineered beryllium alloys, beryllium and beryllium composites, and engineered clad and plated metal systems. The Materion business is structured to enhance our ability to provide customers with innovative, best total-cost solutions.

LARGE AREA COATINGS

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MATERION CORPORATION

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