



► **CAPABILITY: OPTICALLY-CLEAR CONDUCTIVE FILMS**

Flexvue™ optically clear (OC) films offer industry leading performance making them the clear choice in Indium Tin Oxide (ITO) transparent conductive films. Developed in state-of-the-art facilities, OC products offer the widest range of resistances with unmatched optical properties. OC products are produced to exacting standards for the highest quality and greatest level of cross web and run-to-run consistency.

Flexvue also offers unrivaled optical and durability enhancements that meet the needs of the most demanding applications. Both semi-crystallized and crystallized ITO are available for harsh environment and heavy use applications. High visible light transmission, invisible etch patterns, and neutral color are among the many optical enhancements available with Flexvue OC films.

► **TYPICAL APPLICATIONS**

- Touch Screens / Pen Entry
- Smart Windows
- Energy Solutions
- Hybrid Electric Vehicle Batteries
- Sensors
- Electroluminescent Lamps
- Transparent Heaters
- Electronic Displays (LCD, EP, OLED)

► **SERVICES**

Flexvue can produce OC products based on our customer's specific requirements. Custom resistances are available upon request. OC Products can be slit to a wide variety of widths and lengths.

Resistance	OC50	OC60	OC70	OC80	OC100	OC110	OC200	OC250	OC300	OC500
Resistance*	40-60	50-75	60-85	60-90	65-100	85-120	170-230	200-300	250-350	450-550
Transmission (VLT%)	85	80	80	80	78	82	85	85	85	88

- **Substrate Thickness** 2 to 7 mil (50 - 175 microns)
- **Slitting**..... 3” to 60” trimmed
- **Wind**..... ITO side in or out: 3” or 6” paper or plastic cores
- **Roll Dimensions** Widths 24” to 72”; max. O.D.: 30”

► **MATERIALS**

Flexvue produces OC products using a variety of film bases to meet our customer's specific requirements. Available substrates include:

- Optical Grade Polyester (PET) – Standard and heat stabilized
- Polyethylene Napthalate (PEN)
- Polycarbonate (PC)

Additional specialty substrates such as low birefringence, UV absorbing, protective masking (1 or 2 sides) and a wide variety of hard coat options are available upon request.

*Nominal resistance using 4 point probe. Please see product specification for tolerance.

