

# Eastman FLEXVUE™

films

## Capability: sputtering

Flexvue uses the most advanced technology available in sputter coating and has machines capable of sputtering from 0.3 to just over 2 meters wide. An extensive range of metals, alloys, and oxides can be applied to various film bases depending on product requirements. Flexvue operates multiple production coaters as well as pilot coaters for product research and development.

## Typical applications

- Electronic displays (LCD, EP, OLED)
- Touch screens/pen entry
- Smart windows
- Photovoltaic solar modules
- EMI/RFI shielding
- Medical sensors

## Services

Flexvue can provide sputter coating services and has experience with a wide range of materials:

- **Metals:** Titanium, aluminum, copper, silver, zirconium, gold, palladium, platinum, and others
- **Alloys:** Stainless steel and others
- **Oxides:** Tin oxide, indium tin oxide, indium oxide, silicon dioxide, and others

### Range of deposits

Coating thickness	5 to 3000 angstroms
Light transmission	94% VLT to opaque
Optical density	0.023 to 4.0
Resistivity	1.0 to 2000 ohms per square
<b>Substrate thickness</b>	48 to 1000 gauge (12 to 250 microns)
<b>Roll dimensions</b>	Widths 1" to 80"; 24" max. O.D.

## Materials

Sputter coating, unlike conventional metallization, does not require high temperatures which means it can be used for a greater variety of materials. We have experience with a wide range of substrates including:

- Polyester (PET)
- Polyethylene naphthalate (PEN)
- Kapton®
- Ultem®
- Cellulose triacetate (TAC)
- Cyclo olefin polymer (COP)



**Eastman Chemical Company  
Corporate Headquarters**

P.O. Box 431

Kingsport, TN 37662-5280 U.S.A.

U.S.A. and Canada, 800-EASTMAN (800-327-8626)

Other Locations, +(1) 423-229-2000

[www.eastman.com/locations](http://www.eastman.com/locations)

Although the information and recommendations set forth herein are presented in good faith, Eastman Chemical Company and its subsidiaries make no representations or warranties as to the completeness or accuracy thereof. You must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. Nothing contained herein is to be construed as a recommendation to use any product, process, equipment, or formulation in conflict with any patent, and we make no representations or warranties, express or implied, that the use thereof will not infringe any patent. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS AND NOTHING HEREIN WAIVES ANY OF THE SELLER'S CONDITIONS OF SALE.

Safety Data Sheets providing safety precautions that should be observed when handling and storing our products are available online or by request. You should obtain and review available material safety information before handling our products. If any materials mentioned are not our products, appropriate industrial hygiene and other safety precautions recommended by their manufacturers should be observed.

© 2016 Eastman Chemical Company. Eastman brands referenced herein are trademarks of Eastman Chemical Company or one of its subsidiaries. The ® used on Eastman brands denotes registered trademark status in the U.S.; marks may also be registered internationally. Non-Eastman brands referenced herein are trademarks of their respective owners.