

Eastman FLEXVUE™

films

Capability: deep dyeing

Flexvue uses advanced technology in water- and solvent-based deep-dyeing processes to provide the most comprehensive array of dyed films available in the market. Flexvue can match nearly any color, as well as provide fluorescent and patterned film products. Our deep-dyeing process deposits dyes and UV absorbers inside the matrix of the film, ensuring that the color or UV protection will not flake, scratch, rub off, or streak. Dyed films can also be metallized for a more brilliant appearance.

Typical applications

- Theatrical lighting filters
- Medical packaging
- Safety films (weatherable)
- Security
- Pressure sensitive labels and tapes
- Decorative laminates
- 3-D glasses
- Games
- Photovoltaic solar modules

Services

Flexvue can provide coated film products based on customer's specific requirements. Depositions range from:

| | |
|----------------------------|--|
| Dyeing range | |
| Light transmission | 85% VLT-5 (lower at some wavelengths) |
| Optical density | 0.10–1.3 |
| Ultraviolet protection | Up to 97% absorption |
| Sheet resistance | 0.5 to 100 ohms per square |
| Substrate thickness | 48 gauge to 14 mils (12 to 350 microns) |
| Roll dimensions | Widths up to 74"; 32" max. O.D. |

Materials

Flexvue produces deep-dyed film products mainly using optical-grade polyester (PET) film bases to meet customer's specific requirements. Available substrates include:

- Polyester (PET): filled, unfilled, matte, and scratch-brushed
- Requests for other substrates can be considered.

Custom color matching and dyed/metallized combinations are also available.



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