

Eastman FLEXVUE™

films

Capability: antireflective films

Flexvue antireflective (AR) films offer industry-leading performance, making them the clear choice for applications requiring superior optical performance. Developed in state-of-the-art facilities, AR films are available in both conductive and nonconductive versions that offer unmatched antireflective properties and a 3H surface hardness. AR films are produced on state-of-the-art equipment, making them the highest quality antireflective films with the greatest level of cross-web and run-to-run consistency. Antismudge properties can be added to Flexvue AR coatings to help prevent fingerprinting and allow easy cleaning.

Services

Custom conductive and nonconductive antireflective coatings are available on request.

	CARC6AS	CARC7AS	NCARC6AS	NCARC7AS
Surface visible light reflection	0.65%	0.65%	0.65%	0.65%
Transmission	94%	94%	94%	94%
Haze	0.8%	7.0%	0.5%	7.0%
Color reflectance (x)	0.30	0.28	0.35	0.35
Reflectance (y)	0.24	0.20	0.28	0.25
Color b*	1.82	3.62	1.63	1.13
Resistance ^a	<500 ohm	<500 ohm	N/A	N/A
Hard coat	3H, clear	Antiglare 3H	Clear 3H	Antiglare

Substrate thickness	7 mils (175 microns)
Slitting	3" to 72" trimmed ^b
Wind	Antireflective side in or out: 3" or 6" paper or plastic cores
Roll dimensions	Widths 24" to 72"; max. O.D.: 30"

^aNominal resistance using 4-point probe

^bFull range of slitting option not available with all AR products.

Typical applications

- Touch screens/pen entry
- Smart windows
- Electronic displays (LCD, EP, PDP, OLED)
- Energy solutions
- Medical
- Optical enhancement

Materials

Flexvue produces AR films mainly using optical grade polyester (PET) film to meet our customer's specific requirements. On request, other substrates can be offered like:

- Polycarbonate (PC)
- Polyethylene naphthalate (PEN)
- Cellulos triacetate (TAC)

Additional specialty substrates such as low birefringence, UV absorbing, and a wide variety of hard coat options are available on request.



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