

► **CAPABILITY: RELEASE FILMS**

Flexvue™ is the clear choice for optically-clear release films. Produced in environmentally-controlled clean rooms, Flexvue offers the highest quality film release liners produced with the greatest level of cross web and run-to-run consistency. Flexvue includes mostly polyester-based films intended for use in demanding applications where an optically-clear, contaminant-free, and scratch-free release coating, with very low to no silicone transfer, is important.

► **TYPICAL APPLICATIONS**

- Adhesive Liner
- Casting Films
- Electronic Displays
- Specialty Tapes and Labels
- Medical
- Electronics

► **SERVICES**

Environmentally-controlled clean room production.

Release Levels	Very Easy	Easy	Mid	Tight	Very Tight
Tin		T10 - 5-30	T30 - 35-125	T50 - 75-225	
Non-Silicone					NSR - 300+
Fluorosilicone		S10 - 8-32**			
UV-Cured	UV5A - 5-15	UV10 and 12 - 10-30	UV30 - 50-150	UV50 - 90-310	UV100, UV200
Differential	Any Combination of UV Release Coatings (Standard UV50 / UV10)				

• **Substrate Thickness:**

- Tin: 1 Side Coated ..... 0.5 -14 mils (12 - 350 microns)
- Tin: 2 Side Coated ..... 1.5 - 5 mils (36 - 125 microns)
- UV: 1 Side Coated and 2 Side Differential..... 2 - 5 mils (50 - 125 microns)

• **Slitting**..... 2” to 74” trimmed

• **Wind**.....Silicone side in or out: 3” or 6” paper or plastic cores

• **Roll Dimensions** ..... Widths 36” to 74” max., O.D. 30”

“Custom” release systems and base films are available upon request.

► **MATERIALS**

Polyester films are sourced from leading polyester film manufacturers.

Standard base films include: optically-clear, hazy, and white. Special polyester bases include: matte, anti-static, metallized, and deep-dyed. Low Extractable Silicone liners include: UV12, UV30, and UV50.

\* Typical values are measured in grams per inch at a peel speed of 90 inches per minute, 180 degrees, 1 inch strips, fresh, indicates ranges based on 3 different adhesives (2 acrylic-based, 1 rubber-based).

\*\* Release level measured using Polyken 781 silicone splicing type.

Subsequent adhesion to steel is over 85% after 24 hours (CPFilms TM-4311). As release strength depends on design and test method, customer should confirm performance for each application.

