

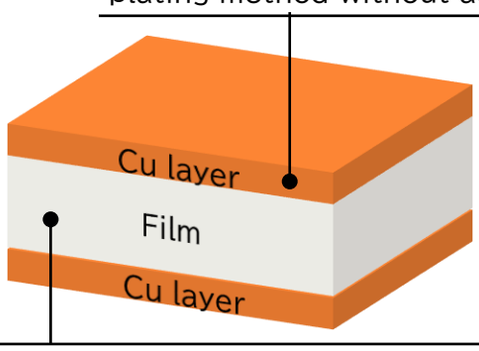
Copper Clad Laminate
(2-Layer FCCL, Transparent FCCL)

2-layer FCCL fabricated with forming copper onto organic resin film, applying advanced metalizing technology. Various types of organic resin films, such as polyimide film or transparent film, can be applied.

Advantage

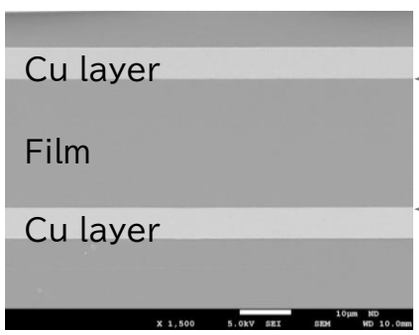
☑ **Flat film-metal interface and thin, uniformed copper layer.**

Copper layer formed with sputtering plating method without adhesive.



Various organic resin films are available, including polyimide film or transparent film.

SEM image, cross-section of 2-layer FCCL



Products lineup

☑ **2-layer FCCL with various films and wanted thickness of copper layers**

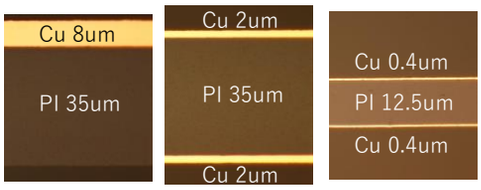
Film	Copper Layer	Shape
● Polyimide Film ● Transparent Film	● Single-Sided (Copper/Film ● Double-Sided (Copper/Film/Copper)	● Roll form

For width and length, please inquire.

Standard Thicknesses: 0.3μm、2μm、8μm
*Available down to 0.1μm, please inquire.

Kapton, Upilex(Polyimide Film)
Colorless PI, PA, PET, COP, PEEK,PEN(Transparent Film)

Thickness: 12.5μm～100μm
(depending on film type, please inquire.)



Photos. cross-section of 2-layer FCCL (Example of combination)

If you have any question about this product, please feel free to contact us.
https://crossmining.smm-g.com/

X-MINING
SUMITOMO METAL MINING