

EuroForm 10

CONFORMABLE RELEASE FILM

EuroForm 12

CONFORMABLE RELEASE FILM

EuroForm Plus*

CONFORMABLE RELEASE FILM

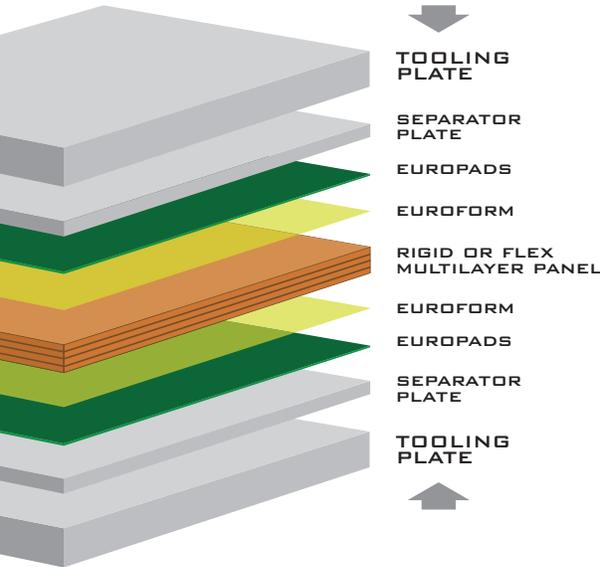
PROCESS PARAMETER

Temperature	up to 220°C (428°F)
Pressure	100 - 300 N/cm ² (10 - 30 bar)

STORAGE & HANDLING

Temperature	15 - 25°C (59 - 77°F)
Humidity	45 - 55%
Storage	Store flat in original packaging.

LAMINATION LAYUP EXAMPLE



AVAILABILITY

Available in custom sheet sizes. Can be tooled and punched according to your specifications.

PRODUCT DESCRIPTION

EuroForm family of highly conformable release films are designed for use in flexible and rigid-flex PCB fabrication. EuroForm is constructed of multiple layers, with a core that softens at temperature, allowing the conformable release sheet to adapt to the contours of the circuitry at pressure. *EuroForm Plus is a new addition to our family of conformable release films and should be used when manufacturing the most intricate Rigid Flex Printed Circuits.

BENEFITS

EuroForm provides a hydraulic seal around the flexible circuit, promoting the resin flow and fill characteristics of the bond-ply and coverlay materials. EuroForm conformable release films have proven beneficial in eliminating voids. EuroForm conformable release films have a coating on both sides which releases from most surfaces.

EuroForm 12 can be utilized where greater Z-axis conformation may be required on heavier copper traces.

- * EuroForm Plus offers low distortion of X/Y expansion or shrinkage when subjected to typical lamination pressures and temperatures, it has very low heat shrink values.
- * EuroForm Plus offers a more robust release mechanism to accommodate a broader range of Rigid-Flex Circuits including Cavity Laminations.

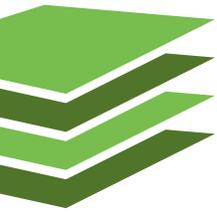
APPLICATIONS

EuroForm is used in the PCB manufacturing process for balancing height differences during flexible circuit board lamination and provides a consistent pressure distribution. Some examples of application:

- Laminating coverlays on flexible circuits
- Manufacturing flexible multi-layers with bond plies
- Manufacturing rigid-flex PCBs with standard, low flow prepreg
- * EuroForm Plus is preferred for Cavity Fill Laminations

MATERIAL PROPERTIES

	EuroForm 10	EuroForm 12	*EuroForm Plus
Thickness	.010" (250 µm)	.012" (300 µm)	.0125" (320 µm)
Density	0.95 g/cm ³	0.95 g/cm ³	100 g/cm ³
Dimensional Stability	200 ppm/°C	200 ppm/°C	200 ppm/°C
Softening Point	135°C (275°F)	135°C (275°F)	135°C (275°F)
Color	Soft White	Soft White	Translucent Clear
Temperature Resistance	≤ 220°C (428°F)	≤ 220°C (428°F)	≤ 220°C (428°F)
Elongation	200%	250%	200%



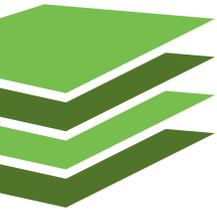
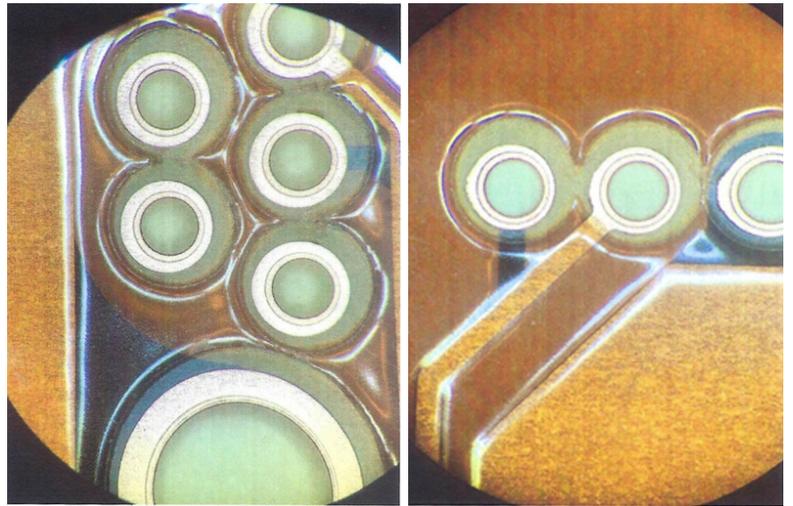
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EuroForm 12

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EuroForm 10 and EuroForm 12 Conformable Release Films produces unmatched results in controlling excessive adhesive flow in your Flexible Circuit Laminations. Pristine results helps you achieve IPC & MIL-SPEC, while controlling adhesive flow on lands with superb annular ring.



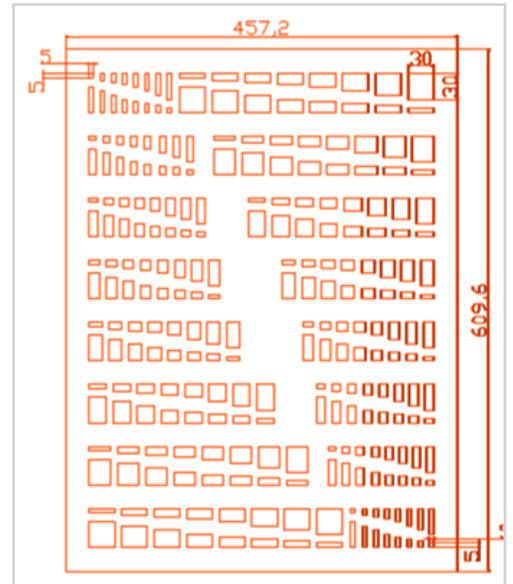
EuroForm Plus

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EuroForm Plus effectively conforms to significant topography differentials on Rigid Flex panels conforming to the total surface area of the circuit. It reacts consistently under varying materials and process conditions.

	Hot plate
	EuroPad 55 x4
	Mirror plate
	EuroPad 55 x1
	EuroForm Plus x1
	Copper Hoz
	Prepreg 2116 x2
	Core 1.5mm
	Prepreg 2116 x2
	Core 1.5mm
	Prepreg 2116 x1
	Copper Hoz
	EuroForm Plus x1
	EuroPad 55 x1
	Mirror plate
	EuroPad 55 x4
	Hot plate

STACKUP



TEST PATTERN



TEST PCB