

# Release Film for Sequential Lamination

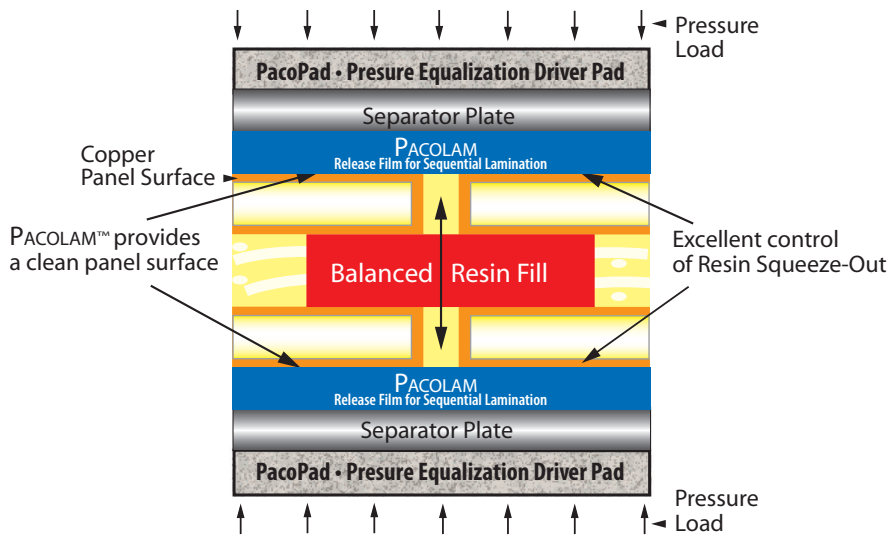


## Processing Alternative to Teflon®, Copper and Other Materials

**PACOLAM™** is an opaque white conformable release film, engineered to perform reliably in the lamination of HDI Flex and in sequential lamination processes. It is a perfect alternative to replace more expensive fluorocarbon films or copper foil when used in connection with operating temperatures under 450°F [232°C] and to control and reduce resin bleed.

### LAMINATION PROCESS ADVANTAGES:

- **PACOLAM** is engineered with a very smooth surface [ $Ra < 2$ ]
- **PACOLAM** provides excellent “Z-axis” conformability, while simultaneously offering very low “X” and “Y” axis distortion under pressure, i.e. minimal shrinkage
- **PACOLAM** is designed to provide easy release, and a consistent, contamination free surface [i.e. no residue] after lamination that eliminates the need for aggressive part cleaning processes
- **PACOLAM** features operator-friendly handling characteristics during lay-up when compared to Fluorocarbon Films, Copper Foil or other film alternatives.



### LAMINATION SYSTEM OPTIMIZATION:

It is recommended that PACOLAM be used with PACOPADS™ (Pressure Equalization Press Pads) so that maximum “Macro” and “Micro” Z-Axis pressure distribution is achieved. This provides the assurance of predictable, reliable, and repeatable results and eliminates uneven pressure as a process variable.

**PERFORMANCE FEATURES:**

- Film thickness is .0035"/89µ
- Opaque white in color
- Operating temperature of 425 F°/232 C° for up to two hours
- Suitable for Polyimide applications or standard FR-4 resin systems
- Essentially inert, no out-gassing, plate residue, interlaminar adhesion influence, no vacuum system contamination
- Easy release characteristics, operator friendly for handling

**AVAILABILITY**

**PACOLAM™** is available in rolls or custom-sized sheets, tooled to customer specifications. The complete line of Lamination Enhancements Products are available from leading local distributors worldwide who offer "Just in Time" delivery from locally available stocks.

**RELEASE PRODUCTS**



**PRESS PADS**



**APPLICATION SPECIFIC**



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