

# Ultra High Temperature Release Film



## For Lamination of Rigid Multilayer and Flexible Circuits

**PACOLON**<sup>®</sup> is a line of ultra high performance Release Films with grades that withstand operating temperatures up to 500°F / 260°C. PACOLON films are engineered to provide excellent, contamination-free release during the process of laminating Rigid Polyimide PCBs, all Flexible Circuit Boards, Teflon and other demanding applications. These films provide a super smooth surface for adhesive and resin flow control [Flex Circuits], with low deformation under pressure [i.e., controlled, repeatable shrinkage].

### ***PACOLON***<sup>®</sup> ***RELEASE FILM FEATURES***

- Easy release at temperatures up to 500°F / 260°C
- Excellent flexibility
- Low X-Y axis shrinkage
- Ultra smooth surface finish, with superior conformal properties
- Inert and homogenous
- No separator plate residue, prepreg or vacuum system contamination
- Available in a range of custom thicknesses and widths

### ***HIGH TEMPERATURE APPLICATIONS***

- High Temperature Rigid Multilayer: To contain resin squeeze-out, protect copper from damaged plates, minimize X-Y axis stress from Aluminum plates, reduce plate cleaning, increase plate life. To prevent press pads from sticking to plates or bonding to tooling pins.
- High Temperature Flex and Rigid Flex: To contain adhesive bleed, completely conform to part topography, guarantee total separation of conformal hydraulics and driver pads from PCB surfaces.
- Microwave Circuit Materials / Teflon Boards

## **TECHNICAL DESCRIPTION**

**PACOLON**<sup>®</sup>, an advanced-polymer Release Film, is available in thicknesses from 0.001" to 0.005" (25μ to 125μ). It is engineered to withstand operating temperatures up to 500°F / 260°C for four hours. PACOLON will provide easy and clean release without leaving plate or panel residue.

## **AVAILABILITY**

**PACOLON**<sup>®</sup> Release Film is available in rolls and in custom-made sheet sizes, tooled to customers' specifications.

**PACOLON**<sup>®</sup>, as well as the complete line of lamination enhancement products listed below, is available from leading local Distributors around the world who offer "Just-in-time" delivery from locally-available stocks.

Other complimentary Lamination Assist Product offerings include:

### **RELEASE PRODUCTS**



### **PRESS PADS AND CONFORMABLES**



### **APPLICATION SPECIFIC**



A Division of Multilayer Worldwide Enterprises LLC



76 Holton Street, Woburn, MA 01801 tel: 781-729-0927 fax: 781-729-0929 [www.pacothane.com](http://www.pacothane.com)