

A BLIND VIA HOLE LAMINATING FILM



PACO•VIA™ 3200

OVERVIEW

PACO•VIA™ 3200 is a two-sided release film designed to be part of a Two-Component System (PACO•VIA™ 3200 and PACOPADS™) as a performance-driven line of High-Temperature, Resin- Blocking Release Films. The PACO•VIA™ System is specifically engineered to enhance sequential lamination of Buried and Blind Via designed rigid printed Circuit Boards. PACO•VIA™ 3200 allows the user to select an alternative release film that may be better suited for less robust post lamination cleaning processes.

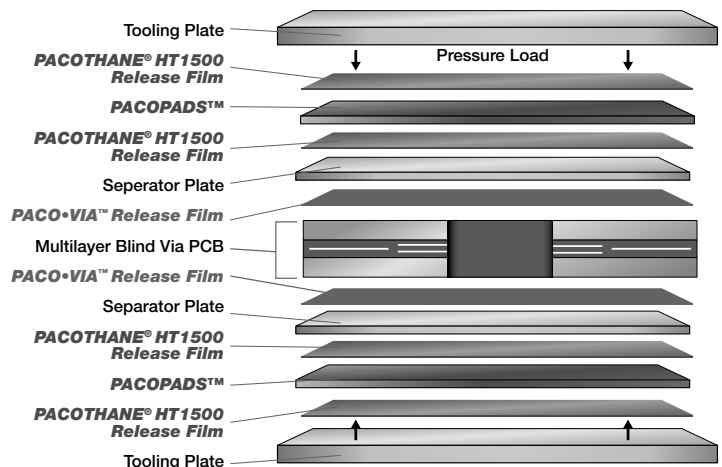
LAMINATION PROCESS ADVANTAGES

- **Resin Containment** - PACO•VIA™ 3200 Resin Blocking Film contains the resin within the via barrel eliminating the need for secondary processing to remove cured resin from the panel surface
- **Barrel Fill** - PACO•VIA™ 3200 Resin Blocking Film allows the liquid resin to essentially fill the via Barrel
- **Contain Resin Squeeze-out-** PACO•VIA™ 3200 contains resin squeeze-out like traditional release films while offering superior copper surface buffering from damaged Separator Plates
- **Equalization of Pressure throughout the Pressure Load** - The PACOPADS™ component of the PACO•VIA™ System ensures complete barrel fill, and controlled Dielectric Thickness. PACOPADS™ eliminate air voids, inner-layer slippage and white corners or edges. PACOPADS™ also reduce image and glass cloth Transfer, and alleviate the potential of low-pressure prepreg Blisters.

FEATURES

- Two engineered Grades to fit all sequential lamination demands
- Used with PACOPADS™ Pressure Equalizing Press Pads designed to suit all lamination process parameters
- Operating temperature of 425°F / 218°C for up to 4 hours
- Essentially inert, no out-gassing, plate residue, interlaminar adhesion influence, no vacuum system contamination
- Environmentally friendly: no chrome-depleting chemicals, no Fluorine's

RECOMENDED LAMINATION LAY-UP



PRODUCT INFORMATION BULLETIN

A BLIND VIA HOLE LAMINATING FILM



BLIND VIA HOLE LAMINATING FILM

PACO-VIA™ 3200

DESCRIPTION OF STANDARDS

Physical Property	Test Method	Reported Units	Typical Values		
Max. Application Temp.	Q 1025	°F (°C)	425(218)		
Thickness	Q 3019	Mils	3.25/75μ		
Density	ASTM	g/cm3	0.94		
Heat Shrinkage	MD	Pacothane	%	<5%	
	TD	Method	%	<5%	
Melting Temp.	ASTM E794	°C	218°C		
Appearance	White, Semi-translucent				
Tensile Strength (At yeild point)	MD	YP	ASTM D882	Kg/cm2	230
		Elong	ASTM D882	%	410
	TD	YP	ASTM D882	Kg/cm2	190
		Elong	ASTM D882	%	520

AVAILABILITY

PACO-VIA™ 3200 Conformal Release Film is available in rolls and in custom-made sheet sizes, tooled to customer specifications. The complete line of Pacothane products is available from leading local Distributors Worldwide who offer “Just in Time” delivery from locally-available stocks.

Also from Pacothane® Technologies:

RELEASE PRODUCTS



PRESS PADS



CONFORMABLES



CONTAMINATION CONTROL



ULTRA HIGH TEMPERATURE



Information contained in this technical literature is believed to be accurate and is offered in good faith for the benefit of the consumer. Inasmuch as Pacothane® Technologies has no control over the use to which others may put the material, it does not guarantee that the same results as those described herein will be obtained. Each user of the material should make his own tests to determine the material's suitability for his own particular use. Statements concerning possible or suggested uses of the materials described herein are not to be construed as constituting a license under any Pacothane® Technologies patent or application covering such use or as recommendations for use of such materials in the infringement of any patent.