PRODUCT INFORMATION BULLETIN





OVERVIEW

PACOTHANE® PLUS is a conformable release film that is specifically engineered for use as a component of the Pacothane Plus System for the production of Flexible Printed Circuits (base stock, coverlay, and rigid-flex). Pacothane® Plus brings standardization and predictability to the flex laminating process and offers tangible process advantages. When used with PacoPads both products combined offer consistent "macro" and "micro" Z-Axis Pressure Distribution throughout the complete lamination lay-up.

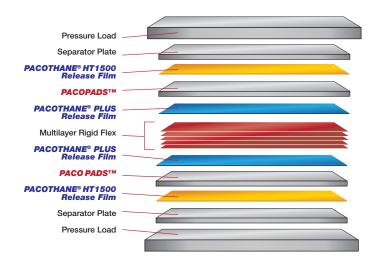
LAMINATION PROCESS ADVANTAGES

- Reduces Mechanical Distortion PACOTHANE® PLUS "locks in" around the laminate components to minimize distortion due to Heat and Pressure. In conjunction with PACOPADS™, the PACOPLUS System conforms in the Z axis only, eliminating the X-Y axis distortion associated with commodity conformal
- Control of Adhesive Flow PACOTHANE® PLUS effectively dams back acrylic or epoxy adhesive flow into predrilled or punched openings, as well as at rigid-flex interfaces
- Quick Easy Release Both sides of PACOTHANE
 PLUS provide quick, easy, & clean release from all surfaces
- Reduced Lamination Pressure The PACOTHANE® PLUS System, consisting of PACOTHANE® PLUS Conformable Release Sheet and PACOPADS[™] Pressure Diffuser Press Pads, discreetly conforms in the Z axis while equally distributing pressure across the panel surface. Due to the superior, macro pressure-equalizing characteristics of PACOPADS[™], the same amount of hydraulic force is delivered with a lower nominal Ram Pressure, maximum "Z-Axis" pressure equalization and a more robust conformable make-up system

FEATURES

- Two-side Releasable
- Extremely low X-Y axis movement
- Smooth Surface Finish with superior Conformal Properties
- Operating temperature to 425°F (218°C) at lower Ram Pressures
- Eliminates Fiber Pattern Transfer to cover layers
- Clean, inert with no out-gassing of contaminants or solvents harmful to Vacuum Systems
- Environmentally friendly with no ozone-depleting Chemicals or Fluorine's. Suitable for incineration or landfill disposal
- Proven worldwide performance since 1986. The Industry Standard for Rigid-Flex Laminations

RECOMMENDED LAMINATION LAY-UP





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DESCRIPTION OF STANDARDS

Physical Property		Test Method		Reported Units	Typical Values
Max. Application Temp.		Q 1025		°F	425°F
Thickness		Q-3019		MiLs	12±5%
Density		ASTM		G/CM ³	1.5
Heat Shrinkage MD (Heat= 190°) TD		Pacothane® Method		%	<5% <5%
Vicat Softening Temperature		ASTM E794		°C	240°C
Appearance		White, Semi-translucent			
		ΥP	ASTM D882	Kg/cm ²	2520
Tensile Strength	MD	Elong	ASTM D882	%	120
(At yeild point)		ΥP	ASTM D882	Kg/cm ²	2702
		Elong	ASTM D882	%	130



PACOTHANE® PLUS is available in custom-made sheet sizes, tooled to customer specifications. The complete line of Pacothane Technologies products is available from leading local Distributors Worldwide who offer "Just in Time" delivery from locally-available stocks.

Also from Pacothane® Technologies:

	PACO • VIA BLIND VIA HOLE LAMINATING FILM	PACOLON	PACO-CLUTCH
PRESS PADS			
PACOPADS	PACOTHERM	PRESSPROBE	
Parssuer/Trimpreature Direusers	Muth-Use Hear Lag Par	Parasuar Testing Kit	
PACOFLEX	PACOFLEX		
PACOPLEX Areases a Relation Ductores. ULTRA	PACOFLEX Aresises Rein Ductore. Discommunic Relation Fail 100000	PACOTHANEPLUS	
Appression & Return Baldade Fran ULTRA	Aperating Bacayon, Bacayon, 10000	PACOTHANEPLUS CONFORMABLE RELEASE SHEET	
Reference & Reservation Concerns.	Aperating Bacayon, Bacayon, 10000	1105	
CONTAMINATION CO	Detractive Alexents 10000	1105	

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