

TACSIL

**Recycle
500times**
in SMT process

Special high temperature resistance silicone tape
for FPCB Carrier in SMT process



- Release film(PI)
- Reusable silicone compound
- F : PTFE+ GLASS CLOTH
- P : PI FILM
- G : SILICONE+GLASS CLOTH
- Heat resistance silicone adhesive
- Release film(PET)

**Precise
surface
mounting**
Stable adhesion

**Excellent
Dimensional
Stability**
at 260°C

► Benefit

- Stable adhesion property about 500 cycles in SMT process
- Excellent dimensional stability at 260°C
- Precise surface mounting
- Adhesion can be restored by easy cleaning
- Adhesion level of silicone compound can be selected
- Superior surface flatness allows whole area fixation

► Main Application

- SMT process of Flexible PCB
- SMT process of Thin rigid PCB
- Carrier of LCD assembly process
- Flip chip mounting process
- Various temporary fixing application

► Supply

- Sheet and Roll type product available

► TECHNICAL DATA

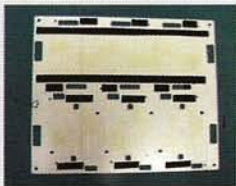
Product Type	Thickness(mm)	180°C Peel Adhesion on Polyimide (at room temperature, N/25mm)	Holding Power (PSA side, 2.2psi @260°C×2hr)	Tensile strength (N/50mm)	Type
Tacsil F20H3B, H3BP	0.2±0.015	3.0±0.5	No creep, AF	>500	Sheet, Roll
Tacsil F20H2B, H2BP	0.2±0.015	1.3±0.2	No creep, AF	>500	
Tacsil F20HB, HBP	0.2±0.015	0.4±0.05	No creep, AF	>500	
Tacsil F20B, BP	0.2±0.015	0.3±0.05	No creep, AF	>500	
Tacsil F20MB, MBP	0.2±0.015	0.2±0.05	No creep, AF	>500	
Tacsil F20LB, LBP	0.2±0.015	0.1±0.05	No creep, AF	>500	
Tacsil P10HB	0.1±0.015	0.4±0.05	No creep, AF	>200	
Tacsil P10H2, H2B	0.1±0.015	1.3±0.2	No creep, AF	>200	
Tacsil G20H	0.2±0.015	0.4±0.05	No creep, AF	>500	
Tacsil G20H2	0.2±0.015	1.3±0.2	No creep, AF	>500	
Test Method	JIS Z 0237	JIS Z 0237	ASTM D3654	ASTM D3759	

The premium solution for FPC Carrier

TACSIL

User Guide

► How to apply in your SMT process



Tacsil on board



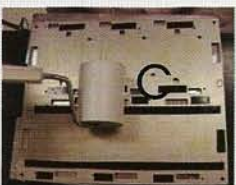
PCB on Tacsil



Fixing with rubber roller



SMT process

Reuse after
occasional cleaning

1. Clean up the surface of carrier boards by alcohol.
2. Pre-ageing Durostone or Aluminum carrier.
3. Peel off the release liner of adhesive side with care.
4. Attach the adhesive side of Tacsil on boards.
5. Peel off the release liner of silicone side with care.
6. Put the FPC on the silicone surface.

► Cleaning cycle

To extend lifetime of Tacsil, appropriate surface cleaning is recommended when tack is not enough to hold FPCB.

► Cleaning method

- It is recommended to use cleaning roller to recover adhesion without any cleaning agent.



(Surface contamination)



(Remove contamination)



(Cleaned surface)

- Or you can clean the surface using soft cloth with ethyl alcohol; ketones such as acetone, MEK or hydrocarbon solvents such as toluene, xylene are not allowed for cleaning agent.

► Converting

When you cut the Tacsil for your size, use cutting machines including a fodder chopper or die-cutting M/C for sharp edge trim.

► Carrier Board Materials

If you use Durostone or Aluminum board, then you need to do pre-ageing of the Durostone or Aluminum board itself before applying Tacsil to remove entrapped air in the board. Other material board do not need to do pre-ageing.

■ How to do pre-ageing

- Pre-ageing at 250°C for more than 3minutes or passing through SMT reflow chamber one cycle.
- For Durostone board, attach Tacsil on the Durostone within 2 hours after pre-ageing.
For Aluminum board, attach Tacsil before the Alumi board cools down (about 40°C)
- This pre-ageing process will help to prevent air bubble problems in reflow process.

► Storage conditions

- Besure that storage condition is very important to perform extended life time [Standard conditions (23+/-2°C, 50+/-2%RH) in original packing is the best]
- Keep away the products from direct UV exposure and oils or any contaminations

TACONIC

TACONIC ASIAN OPERATIONS
Korea Taconic Company Ltd.
Industrial Products Division

4F, TOP B/D, 361-4
Yatap-dong, Bundang-ku,
Sungnam-si
Kyungki-do, Korea
TEL +82-31-704-1858
FAX +82-31-704-1857
E-mail: sales@taconic.co.kr
www.taconic.co.kr

TACONIC U.S. OPERATIONS
Taconic
Industrial Products Division

136 Coonbrook Road,
PO Box 69
Petersburgh, NY 12138
TEL +(1)-800-833-1805
FAX +(1)-888-757-6245
E-mail: info@4taconic.com
www.4taconic.com

TACONIC EUROPEAN OPERATIONS
Taconic international Ltd.
Industrial Products Division

Forest Park
Mullingar, Country Westmeath
Republic of Ireland
TEL +(353)-44-9338300
FAX +(353)-44-9338390
E-mail: ipd@4taconic.com
www.taconic-ipd.com

For more information, please contact: