

TACSIL

DOUBLE SIDE SILICONE TAPE

Benefits

- Excellent dimensional stability at high temperature
- Superior adhesion and holding power of Silicone adhesive
- No adhesive residues after removal
- Longer life time of Silicone resin side
- Easy cleaning using of cleaning roller allows extend life time
- Good surface flatness allows the whole area of FPC to be fixed
- Adhesion level of silicone compound can be control for customer requirement
- Easy fix and easy removal
- Give flexibility to design carrier and jig plate

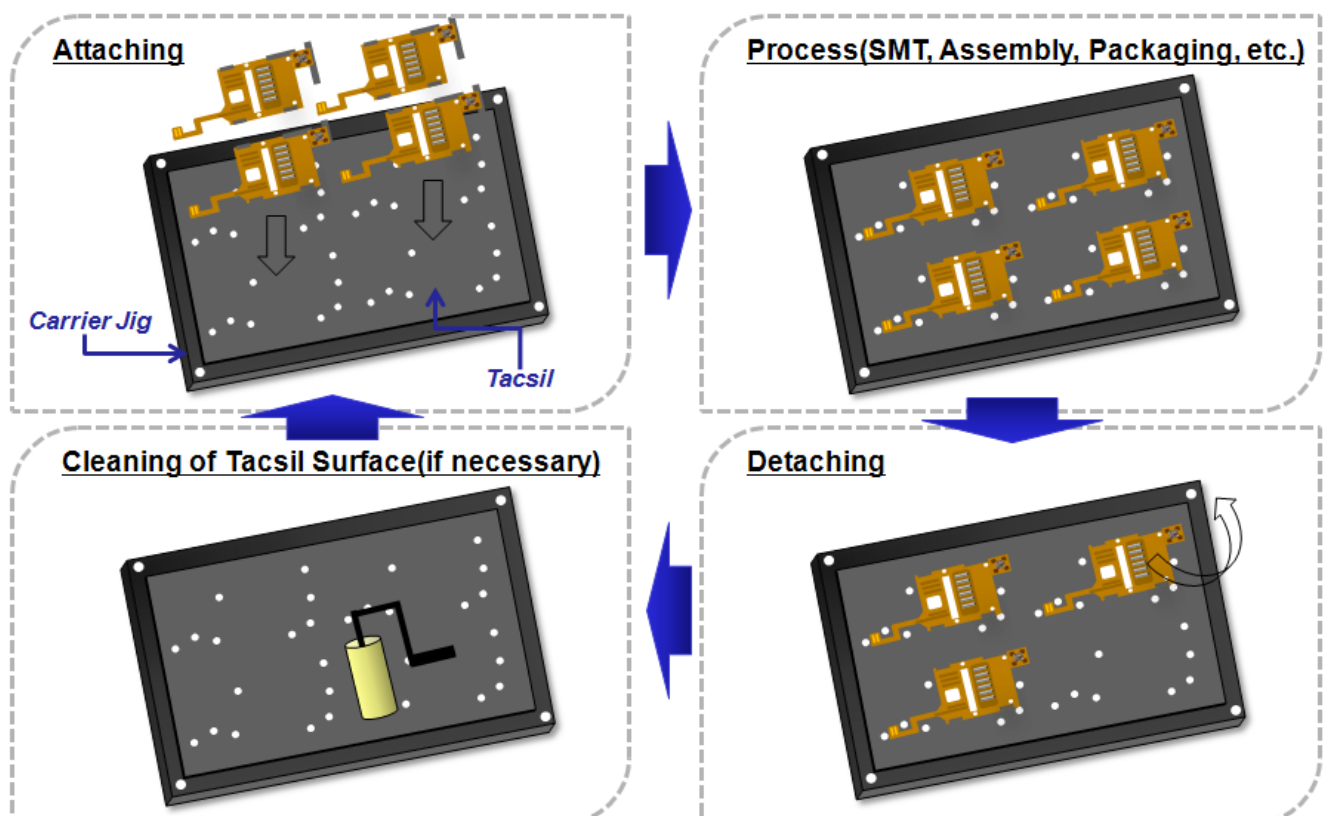
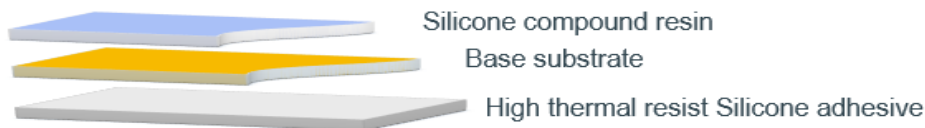
Applications

- SMT process
- Assembly process (curing, wire bonding, etc)
- Display panel process (LCD or OLED panel fixing, Film removal)
- LED (Chip bonding, Mass transfer)



Tacsil is a double-side silicone tape coated with reusable silicone resin and heat resistive silicone adhesive. It is specifically designed to temporary fix FPC or tiny components to carrier jig during SMT process. An easy-to-clean Tacsil is more cost-effective due to reuse even in high temperature environments.

*Construction



Typical Tacsil usage for SMT process

*Technical Specification

Product	Typical Value (Thickness)	Peel strength (Si resin side)	Peel strength (Si adhesive side)	Test Method
PTFE coated fabric type				
F20 LB	0.2 ± 0.015 mm	10 ± 5 gf/25mm	Min. 700 gf/25mm	JIS Z 0237 / KTC self test method
F20 MB		20 ± 5 gf/25mm		
F20 B		30 ± 5 gf/25mm		
F20 HB		40 ± 5 gf/25mm		
F20 H2B		130 ± 20 gf/25mm		
F20 H3B		300 ± 50 gf/25mm		
F30 LWOS	0.3 ± 0.015 mm	10 ± 5 gf/25mm	-	
F30 MWOS	0.3 ± 0.015 mm	20 ± 5 gf/25mm	-	
Polyimide film type				
P10 HB	0.1 ± 0.005 mm	40 ± 5 gf/25mm	Min. 700 gf/25mm	JIS Z 0237 / KTC self test method
P20 L	0.2 ± 0.015 mm	10 ± 5 gf/25mm		
P20 M		20 ± 5 gf/25mm		
P20		30 ± 5 gf/25mm		
P20 HB		40 ± 5 gf/25mm		
P20 H2B		130 ± 20 gf/25mm		

Tacsil Offers Variety of adhesive strength

*CTE Data (Reference value)

Type	Thermal expansion coefficient (CTE)		Note
	CTE (ppm/°C)		
	MD	TD	
F20 Series	10~15	25~35	Measured @50~250°C
P20 Series	20~25	35~40	

Tacsil can be selected according to attached material

* CTE data provided are typical values and not intended to be specification values. For review of critical specification tolerances, please contact a company representative directly.

* Please contact AGC for availability of additional answer or requirement.

