

SOMATAC® WA

APPLICATIONS

- FPC process / MLCC press process

SOMATAC® WA Series are weak adhesive films used in production processes.

We manufacture a range of products with different peel strengths and other properties.

Features

- Adheres properly even during heating and can be easily released at the final production process.
- There is no adhesive residue.
- Silicone is not used for releasing films (silicone free).
- For support, protection and masking - Product code: PS-105WA, PS-1080WA.
- To protect gold-plated surfaces. In addition to that, there are some types that do not contaminate the gold-plated area with the adhesive - Product Code: PS-250WA, PS-260WA.
- For use in high temperature processes (low-heat shrinkage) - Product code: PS-1080WA.
- For protection at shipment - Product code: PS-250WA, PS-260WA.
- For pressing - Product code: SS-430WA.

Product List and Properties

Properties	PS-105WA	PS-1080WA	PS-3054WA
Base film type and thickness (µm)	PET 50	PET 50	PI 12.5
Adhesive layer thickness (µm)	7	5	15
Release film type and thickness (µm)	OPP 30	OPP 30	OPP 30
Ball Tack Value (X/32)	<3	<3	<3
Peeling force *1 (N/25mm)	23°C	0.21	0.07
	60°C	0.04	0.14
	After heating *2	0.37	0.15

*1 Substrate : PI film

*2 Heating conditions PS-105WA, PS-1080WA: 160°C x 30 minutes PS-3054WA: 140°C x 60 minutes

Product List and Properties

Properties		PS-250WA	PS-260WA	VS-101WA	SS-430WA
Base film type and thickness (µm)		PET 125	PET 125	PET 100	Matte PET *1 100
Adhesive layer thickness (µm)		16	16	20	8
Release film type and thickness (µm)		Blue PE 50	Blue PE 50	Silicone OPP 40	Silicone OPP 40
Ball Tack Value (X/32)		<3	<3	<3	<3
Peeling force *2 (N/25mm)	23°C	0.11	0.23	0.24	0.04
	60°C	0.06	0.05	0.05	0.01
	After heating *3	0.15	0.31	0.32	0.14
Gold plating discoloration (ΔE)		<2.0	<2.0	-	-

*1 Matte surface roughness Ra 0.75µm

*2 Substrate: PI film

*3 Heating conditions: 160°C x 30 minutes

All values are representative