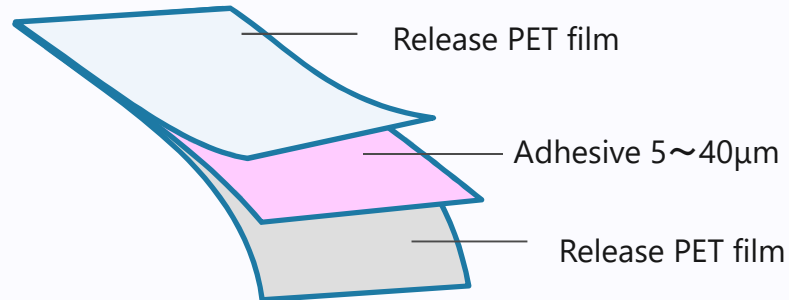


Composition



Characteristic

- ✓ High transparent : SA FS \geq Optical PET / OCA
- ✓ Discoloration resistance : After each test conditions : $\Delta E \leq 2.5$
- ✓ Low temperature curability : ≥ 70 °C
- ✓ Customizable to matching characteristics.

Characteristics

Curing conditions	-	160 °C, 1 hr
Color	-	Colorless , Transparent
Light transmittance[%]	400 - 750 nm	90.7
	850nm	91.2
Haze [%]	-	1.1 ¹⁾
Refractive index	-	1.53
Modulus[MPa]	DMA method	400
T _g [°C]	TMA method	18
CTE [ppm / °C]	α_1 / α_2	156 / 496
T _D [°C]	3% weight loss	402
Dk / Df	10 GHz	2.9 / 0.011

1) Test composition : Glass / SA FS 25 μm / Optical PET film 25 μm.

Application

- ✓ Display (Foldable , OLED / μ LED , etc.)
- ✓ Semiconductor (3D Packaging , NCF)
- ✓ Transparent antenna (Transparent substrate , Adhesive sheet , Coverlay , etc.)
- ✓ Adhesive sheet for 3D molding (Decorative film , AR glass , etc.)

High transparent

Low temperature curability

High adhesiveness

Weather ability

High insulation

Low modulus

High transparent

Transparency after each treatment

Molding : 100°C/0.5m/min
→90°C/0.5MPa/30sec.
→90°C/2hr

PET film 50 μm
AD 25 μm
PET film 50 μm

Item	Light transmittance[%]	ΔE
After curing	88.4	-
100°C/240hr	88.8	0.12
-20°C/240hr	87.7	0.29
85°C/85%/240hr	87.9	0.10
After Light exposure	86.6	3.51

※1 575 W/m² 200hr (Xenon lamp)

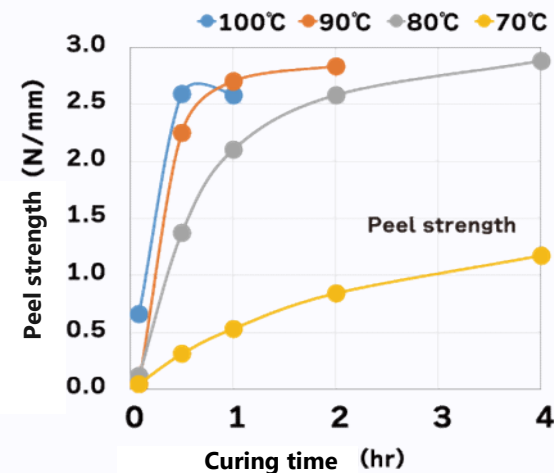
✓ High weatherability.

Low temperature curability

Processing method and adhesive strength

@°C/2MPa/2min+@°C curing

PI 50 μm
AD 25 μm
FR-4 0.5mm



✓ Bondable to PC/PMMA at low temperature.

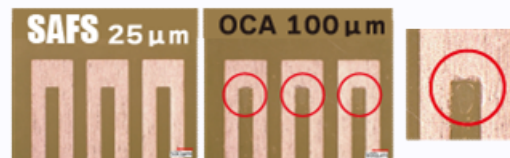
OCA substitute

Molding condition 100°C/0.5m/min→90°C/0.5MPa/30sec.→90°C/2hr

Item	Remark	SAFS 25 μm	OCA 100 μm
Light transmittance	Glass/AD/ Optical PET25 μm	90.1	88.8
Haze ※1		1.1	1.0
Refractive index ※2	Only AD	1.53	1.48 (カタログ値)
Modulus [MPa]	Only AD	400	0.03 (調査値)
Adhesive strength [N/25mm]	vs Glass	18	8
	vs PMMA	9	6
	vs PC	18	7

※1 JIS K 7361 ※2 JIS K 7142 ※3 JIS Z 1528

Step embedding



※L/S=500 μm/500 μm Cu thick 18 μm

Thin touch panel

High modulus, High adhesion

Good followability to steps



- ✓ SAFS is good followability to steps even if a thinner adhesive layer compared to OCA.
→ **Foldable / Smart glass, display, Transparent film antenna, etc.**