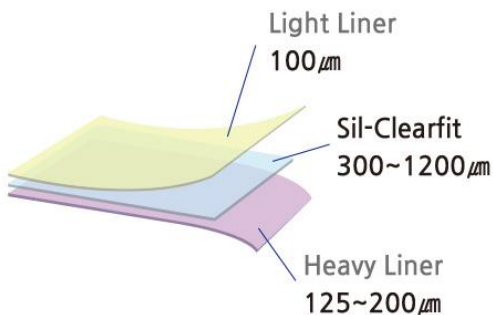


# Sil-Clearfit Silicone OCA

## Product description

Sil-Clearfit series is performs superior adhesive and highly functional transparent silicone OCA products.

## Constitution



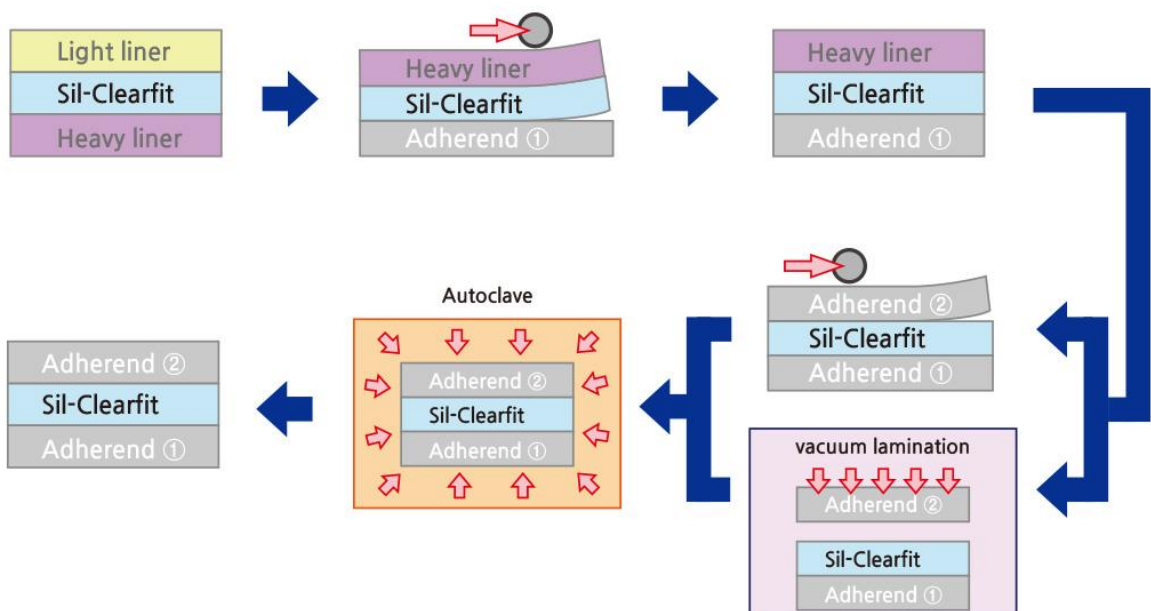
## Special features

- High reliability temperature & UV resistance.
- Excellent Cohesive & peel strength for reliable bonding.
- Excellent Transmittance & Haze
- Non yellowness
- Result in long-lasting, stable performance
- Resistant from humidity and durability
- Liner films are attached on either side of OCA that makes smoothly work and perfect protection from contamination

## Application

- Mini-LED Display Light Guide
- Smart-Phone, Laptop
- Interactive Electronic Board
- Automobile Displays
- Aviation Display
- Marine Display

## Structure & Application



<b>Product data</b>
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Model	Unit	Value( $\mu\text{m}$ )	Remark
<b>MR-3030</b> Release Liner	Sil-clearfit	300 $\pm$ 30	Main OCA Layer
	Light	100	Fluoride Type
	Heavy	125	Fluoride Type
<b>MR-3050</b> Release Liner	Sil-clearfit	500 $\pm$ 50	Main OCA Layer
	Light	100	Fluoride Type
	Heavy	125	Fluoride Type
<b>MR-3080</b> Release Liner	Sil-clearfit	800 $\pm$ 80	Main OCA Layer
	Light	100	Fluoride Type
	Heavy	188	Fluoride Type
<b>MR-3100</b> Release Liner	Sil-clearfit	1000 $\pm$ 100	Main OCA Layer
	Light	100	Fluoride Type
	Heavy	188	Fluoride Type

Custom thickness (300 to 1200 $\mu\text{m}$ ) could be customize prior to order.

<b>Product data</b>
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Glass peel force	gf/inch	> 3,000 $\pm$ 300	JIS K 6854-2
Transmittance	%	> 95	JIS K 7136
Haze	%	< 1.0	JIS K 7136
Color Difference	L*/a*/b*	100.75/-0.01/-0.01	on Glass
Yellow Index		Under 0.5	on Glass

### Dielectric Constant

Frequency(kHz)	100	3000	6500	10000	13000
MR-3030	2.77	2.72	2.72	2.73	2.73

Method : ASTM D150    LCR Meter(Agilent), 100~13000 kHz

<b>Product data</b>
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**Reliability Test : 85°C / 85RH**

Time(h)	Transmittance(%)	Haze (%)	L*a*b*	YI
0	97.8	0.3	100.47/0.00/0.04	0.08
24	96.1	0.4	100.72/0.01/0.09	0.15
96	96.4	0.6	100.91/-0.02/0.07	0.11

**Refractive Index**

Wavelength(nm)	400	550	650	800
MR-3030	1.44	1.39	1.39	1.40

Prism Coupler 2010/M (Metricon)

**Glass peel force by thickness**

Thickness	Unit	Glass peel force (gf/inch)
25	μm	> 1,200
40	μm	> 2,200
50	μm	> 2,300
100	μm	> 2,600
300	μm	> 3,200
400	μm	> 3,500
500	μm	> 3,800
800	μm	> 3,900

Glass peel force could be customize prior to order.

This product is manufactured with MRK's patented technology, and this OCA technology cannot be used without permission.

The above quoted data is based on the experimental results obtained by us but not guaranty value by any means. Upon utilizing any of these data, please examine by means of your own test beforehand and confirm the conformity. We have a right to change the content of this information without prior notice.

For technical, quality, or product safety questions, please contact:

**MRK CO.,LTD.**  
 C-1102, 158, Haneulmaul-Ro, Ilsandong-Gu, Goyang-Si,  
 Gyeonggi-Do, Korea  
[www.mrk-korea.com](http://www.mrk-korea.com)  
[info@mrk-korea.com](mailto:info@mrk-korea.com)