

OCA for Direct Bonding

Optical Clear Adhesive Sheet (OCA) MO series

With its gap-filling ability and blister resistance, OCA* for direct bonding is ideal for bonding a variety of cover panels, sensor materials, and optical films.

*OCA:Optical Clear Adhesive

Composition

Lighter release liner
Adhesive
Heavier release liner

Base-less (NON CARRIER) type
※ NON CARRIER is a registered trademark of Lintec Corporation in Japan.

- High adhesion against various materials
- Delay bubble resistance
- Liquid crystal unevenness resistance
- Adaptable to UV-absorbing materials such as plastic panels (ex. PMMA, PC etc)

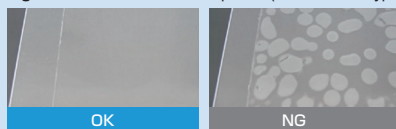
Features

High gap-filling ability to fill the printing gap

	Structure	
	Cover glass / glass sensor	OGS / LCD
Normal OCA		
	OK	NG
OCA for Direct Bonding		
	OK	OK

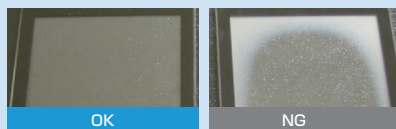
Sample composition: Glass(with printing gap)/OCA/Glass
Test condition: 85°C85%RH 120h

High blister resistance on resin panels (Post UV cure type)



Sample composition: Plastic panel/OCA/ITO PET
Test condition: 85°C85%RH 72h

Moisture and heat resistance



Sample composition: Plastic panel/OCA/Glass
Test condition: 85°C85%RH 120h

Application

Cover Glass
Optical Clear Adhesive Sheet MO series
Touch Screen
Cover Glass Integrated Touch Screen
Display Module

- Component bonding for in-vehicle displays, mobile devices, and various other types of displays
- Bonding of rigid components to each other, such as cover panels/LCD modules (direct bonding), and cover panels/glass sensors

Post UV cure type process

Applicable products: MO-3015UV, MO-3015UV2, MO-3017UV2

Bonding to cover panel
Bonding to LCD module
UV irradiation

Lighter release liner
Adhesive
Heavier release liner
Release lighter release liner
Release heavier release liner

* In the case of UV irradiation through a material such as a resin plate that has UV-cutting performance, it is possible to use the MO-3015UV2, MO-3017UV2 to bond together.

Component bonding for in-vehicle displays, mobile devices, and various other types of displays
Bonding of rigid components to each other, such as cover panels/LCD modules (direct bonding), and cover panels/glass sensors

Product Line-up

Product name	Thickness [μm]	Adhesion ⁽¹⁾ [N/25mm]	Optical properties ⁽²⁾		Gap-filling ability	Blister resistance	Whitening resistance	Remarks
			Total Transmittance[%]	Haze[%]				
MO-3014	25~250	35	>99	<1.0	○	△	◎	Acid
MO-3015	25~250	48	>99	<1.0	◎	△	○	Acid-free
MO-3015UV	25~250	50	>99	<1.0	◎	◎	○	Acid-free, Post UV cure type
MO-3015UV2	25~250	50	>99	<1.0	◎	◎	○	Acid-free, Post UV cure type (UV irradiation through a plastic panel)
MO-3017UV2	25~250	35	>99	<1.0	○	◎	◎	Acid-free, Post UV cure type (UV irradiation through a plastic panel), Moisture and heat resistance
MO-3029	~500	38※	>99	<1.0	○	◎	◎	High adhesive thickness, High elastic modulus
MO-3030	~500	30※	>99	<1.0	◎	○	◎	High adhesive thickness (Developed product) High Light fastness, High Gap-filling ability

Test condition (1) Applied surface: Soda-lime glass, Facestock: PET film (100μm), Adhesive thickness: 100μm, Bonding time: 24 hours, Measurement environment: 23°C50%R.H.

Peeling speed: 300mm/min, Peeling angle: 180°, Value of Post UV cure type is measured after UV irradiation

(2) Sample composition: Soda-lime glass/Adhesive, *Sample thickness: 500μm

The values reported in the data are actual measured values and not guaranteed.



LINTEC Corporation Linking your dreams

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