

# Thin, High-durability OCA

## Optical Clear Adhesive Sheet (OCA) MO series



High-durability OCA\* with a thin film that is suitable for film bonding. This is a product line-up with a high elastic modulus, strong adhesion, and excellent flexibility.

\*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 and durability in thin thickness

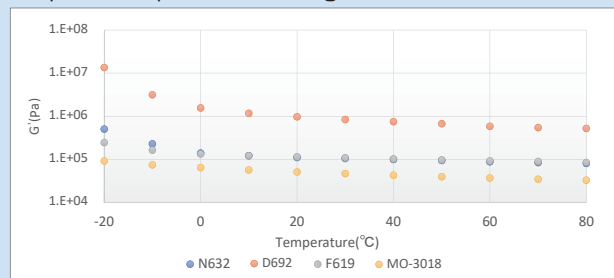
Lineup of high and low elastic modulus types

Suppress shrinkage for facestocks with a high coefficient of thermal expansion (high modulus type)

High reliability (bending resistance, heat resistance, moisture resistance)

### Features

Temperature dependence of storage modulus



#### Folding Test

With excellent flexibility and low likelihood of peeling defects, there is little damage to the flexible substrate.



\*Test condition: PET(100μm)/OCA(50μm)/ITO-PET(125μm)  
Bending diameter: 4mmφ Test temperature: 23°C Number of tests: 100,000 times

### Application

Window Film  
Film Sensor  
Flexible Display  
Optical Clear Adhesive Sheet MO series

For bonding various optical functional films to foldable devices

### Product Line-up

| Product name        | Adhesive film thickness [μm] | Adhesion <sup>(1)</sup> [N/25mm] | Optical properties <sup>(2)</sup> |         | Folding Test | Remarks              |                                       |
|---------------------|------------------------------|----------------------------------|-----------------------------------|---------|--------------|----------------------|---------------------------------------|
|                     |                              |                                  | T.t. [%]                          | Haze[%] |              |                      |                                       |
| NCF-N632            | 5~30                         | 10                               | >99.0                             | <1.0    | △            | Acid-containing type | General high durability type          |
| NCF-D692            | 5~30                         | 15                               | >99.0                             | <1.0    | △            | Acid-containing type | High modulus and high durability type |
| NCF-F619            | 5~30                         | 5                                | >99.0                             | <1.0    | ○            | Acid-free type       | Low modulus type                      |
| Development product | 5~30                         | 10                               | >99.0                             | <1.0    | ◎            | Acid-free type       | Flex resistance improved type         |

Test condition (1) Applied surface: soda glass, Facestock: PET film (100 μm). Bonding time: 24 hours, Measurement environment: 23°C and 50% RH. Peeling speed : 300mm/min , 180-degree peeling  
(2) Test condition: Soda glass / adhesive

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