

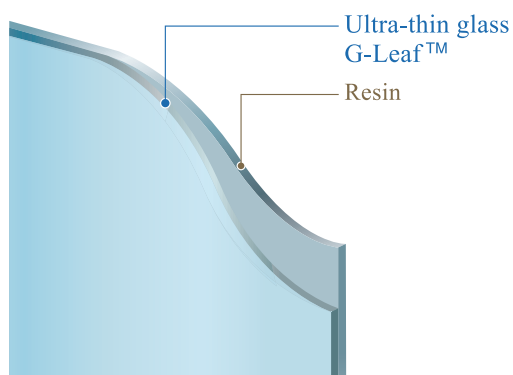
超薄玻璃-樹脂積層板

Lamion™ [可撓式]

Ultra-thin Glass Laminated on Resin Lamion™ [Flexible Type]

Lamion™ [可撓式]是具有耐刮傷性、氣體阻隔性、耐燃燒性等玻璃特有的優異性質，並兼備G-Leaf™的可撓性及高機能性的複合材料。

Lamion™ [Flexible type] features glass-specific characteristics such as abrasion and scratch resistance and gas barrier properties, and is a useful material with flexibility and highly potential as G-Leaf™.



可撓性
Flexibility

特色

Features

- 可撓性
- 耐刮傷性
- 氣密性
- 防止飛散性
- 低膨脹、尺寸穩定性
相較於樹脂薄膜，
溫度及濕度的變化對其尺寸的影響較小
- Flexibility
- Abrasion resistance
(Pencil hardness: Harder than 9H)
- High gas barrier properties
Water vapor permeation rate is
lower than measurable limit.
<math> < 1 \times 10^{-6} \text{g}/(\text{m}^2 \cdot \text{day}) </math>
- Anti-shattering
- Low thermal expansion coefficient, Dimensional stability
Dimensional variation due to changes in
temperature and humidity is smaller than resin film.

應用範例

Applications



可撓式顯示器
Flexible display



電子紙
Electronic paper



穿戴式行動裝置
Wearable device



OLED照明
OLED lighting



OLED顯示器
OLED display



觸控面板
Touch panel



NIL*模型
NIL mold

*奈米壓印
Nanoimprint Lithography