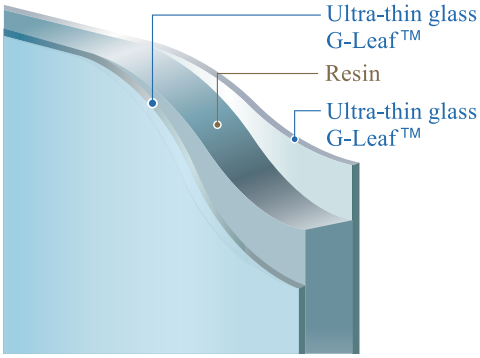
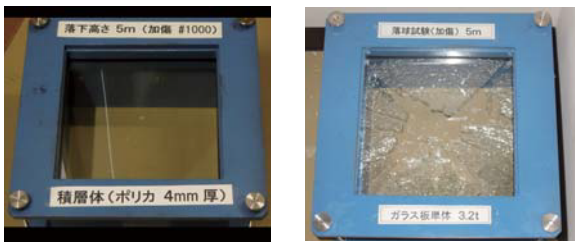
超薄玻璃–树脂积层板 Lamion™

Ultra-thin Glass Laminated on Resin Lamion™

Lamion™具有耐刮伤性、气密性、阻燃性等玻璃特有的优异性质，是适合多种移动装置轻量化的材料。

Lamion™ features glass-specific characteristics such as abrasion and scratch resistance, gas barrier properties and flame retardancy, and is a useful material for reducing the weight of devices.





Lamion™ Tempered glass

落球实验结果
Results of ball drop test

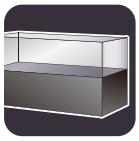
特 点 Features

- 轻量 / Lightweight
- 耐冲击性、防飞散性 / Shock resistance and anti-shattering
- 耐贯穿性 / Penetration resistance
- 耐结露性 / Condensation resistance
- 隔音性 / Sound insulation
- 耐刮伤性 / Abrasion resistance (Pencil hardness : Harder than 9H)
- 气密性 / High gas barrier propeties Water vapor permeation rate is lower than measurable limit. $<1x10^{-6}g/(m^2 \cdot day)$
- 阻燃性 / Flame retardance
- 耐紫外线性 / Ultraviolet light resistance
- 低热膨胀率 / Low thermal expansion coefficient
- 可附加功能性 / Possible functionality added
  表面镀膜：AR、AG、AF
  内部嵌入薄膜：IR-Cut、加色装饰
  Surface coating on glass : AR, AG, AF
  Film insertion : IR-Cut, Coloring

应用范例 Applications

轻量门窗
Lightweight window and door

轻量隔板
Lightweight partition

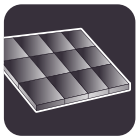

防盗橱窗
Showcase (for crime prevention)

显示器保护盖
Display cover

机床安全窗
Machine tool window

照明保护盖
Lighting cover

看板
Sign board


太阳能电池保护盖
Solar cell cover

Nippon Electric Glass