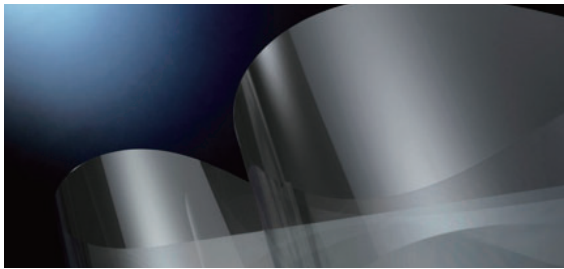


超薄玻璃G-Leaf™

Ultra-thin Glass G-Leaf™

採用溢流成型的超薄玻璃G-Leaf™為0.2mm (200µm) 以下的玻璃, 是保有玻璃本身的優異性能與可靠性, 並實現玻璃薄膜化的優異產品。透過薄型化與輕量化實現節省資源與降低排碳, 是響應環保的理想材料。在電子、能源、醫療、照明等廣泛領域, 是極具潛力的新一代材料。

Our ultra-thin glass G-Leaf™, under 0.2mm (200µm) in thickness, is a superior material formed by overflow technology. G-Leaf™ maintains the advantageous functions and reliability of glass in a film state. By reducing the thickness and weight, we have finally reached the ultimate material in terms of environmental friendliness : material conservation, smaller carbon footprint and green processes. This is a highly potential material for the next generation in a wide range of applications including electronics, energy, medical care, and lighting.



G-Leaf™ 名稱的由來 / Meaning of G-Leaf™

G	..... 玻璃 / 綠色	G lass/ G reen
L	..... 輕量	L ightweight
e	..... 環保	e cological
a	..... 先進	a dvanced
f	..... 可撓性	f lexible

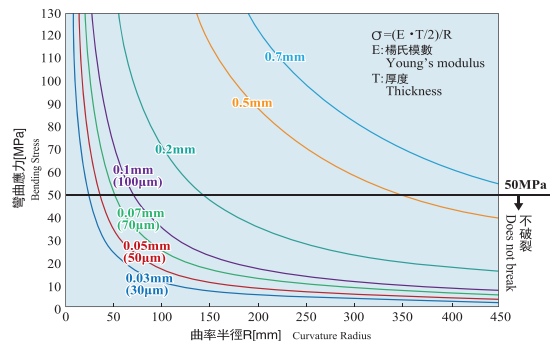
特色

Features

- 玻璃材質本身的優異特性
耐熱性、光學特性、電氣絕緣性、氣密性、耐候性
- 採用溢流成型法, 具極佳表面特性
良好的平坦度及粗糙度
- 薄型化衍生出優異性能
可撓性、加工性、輕量性
- Excellent properties originally possessed by glass materials
Heat resistance, Optical properties, Electrical insulation, Gas barrier properties, Weather resistance
- Excellent surface properties generated by overflow process
Surface flatness and roughness
- Excellent properties generated by ultra-thin sheet forming
Flexibility, Workability and Lightweight

可撓性

Flexibility



* 玻璃的破裂情形因玻璃基材邊緣或表面的瑕疵狀況而異。上圖將彎曲應力50MPa作為破損與否的參考值。

* Glass breakage depends on defects located on edges and/or surfaces of glass substrates. In the above figure, 50MPa is considered to be the boundary between "broken" and "not broken" conditions.

應用範例

Applications

- | | | | |
|----------|------------|---------------------|--------------------------|
| ● 可撓式顯示器 | ● 電子看板 | ● Flexible display | ● Digital signage |
| ● 電子紙 | ● OLED顯示器 | ● Electronic papers | ● OLED display |
| ● 觸控面板 | ● OLED照明 | ● Touch panels | ● OLED lighting |
| ● 太陽能電池 | ● 智慧型穿戴式設備 | ● Solar cells | ● Smart wearable devices |