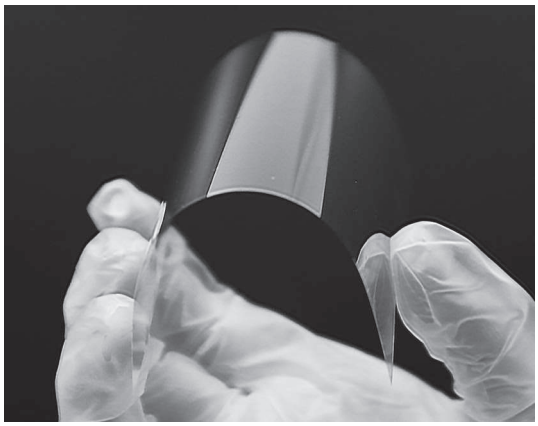
UV Shielding Ultra-thin Glass

Ref. No. 2610-13E

Starveil™

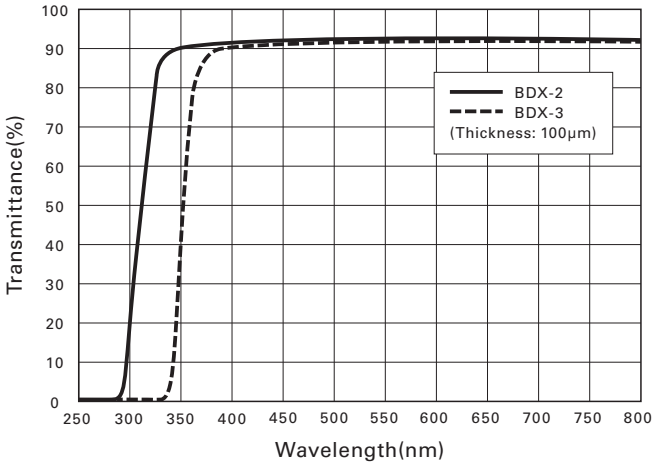
UV shielding ultra-thin glass has a superior ultraviolet ray shielding property. The glass protects devices from ultraviolet rays as well as air and water, which contributes to longer lifespan.
This thin, light glass contributes to weight reduction for devices.



Features

- High shielding properties against ultraviolet rays
- Thin and lightweight (Thickness: Min. 50μm)
- BDX-3 has radiation and atomic oxygen resistance.

Transmittance



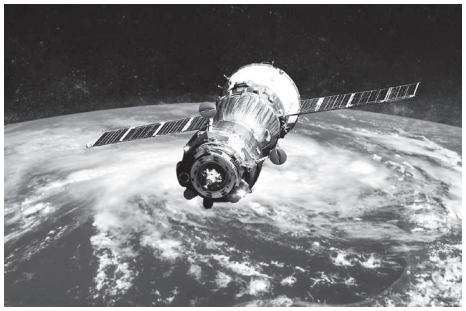
* The values given are measured but not guaranteed.

Properties

Properties			BDX-2	BDX-3
Density		g/cm³	2.46	2.56
Coefficient of thermal expansion	30-200℃	×10⁻⁷/℃	76	90
	30-380℃		79	93
Strain point		℃	550	480
Annealing point		℃	595	525
Softening point		℃	805	745
Transmittance(%) (Thickness: 100μm)	550nm		92	91
	400nm		91	90
	350nm		90	49
	300nm		20	<1
Refractive index (n_d)	587.6nm		1.52	1.52

Applications

- Solar cells
- Satellites, space stations, etc.



Specifications

- Shipping form: Sheet

(mm)

Dimensions	
Standard size	Tolerance
200×200–400×600	±0.3
400×600–1000×2000	upon request

(μm)

Thicknesses	
Center	Tolerance
50, 100	±10%

Custom sizes and thicknesses available on request.