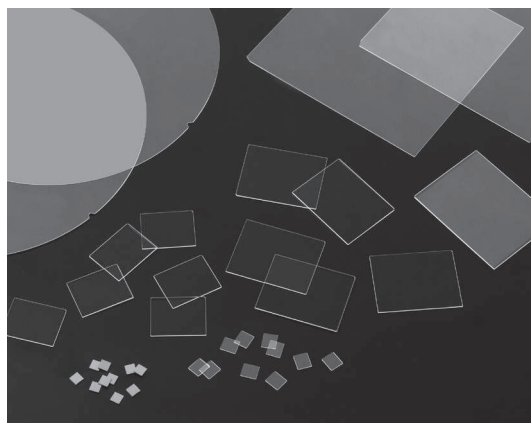


Flat Glass for Electronic Devices

We offer flat glass with various properties for electronic devices. You can choose the glass that is most suitable for the purpose of use.

Features

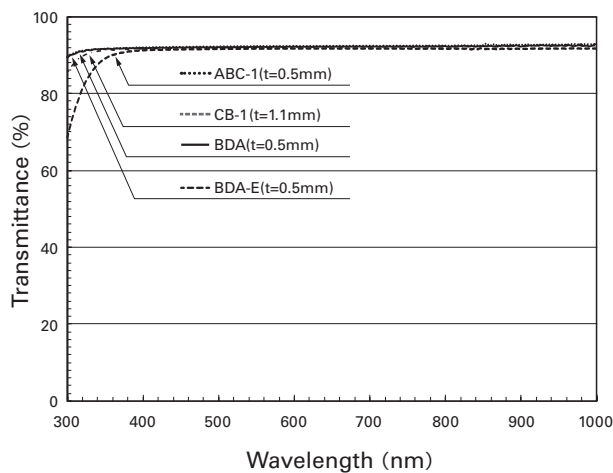
1. High quality glass is manufactured using advanced technology.
 - Technology for achieving very smooth glass surfaces
 - Technology to achieve higher surface cleanliness
2. BDA-E with excellent chemical resistance can be used for a wide range of electronic devices.
3. CB-1 with a thickness of 1.1 mm can be used for a wide range of electronic devices.
4. ABC-1 is a low expansion alkali-free glass.
5. BDA is a glass exclusively developed not to influence the pixels of high-density image sensors.



Properties

Properties/Glass Code			BDA-E	CB-1	ABC-1	BDA
Coefficient of thermal expansion	30-380°C	$\times 10^{-7}/K$	69	75	37	66
Strain point		°C	530	525	685	540
Annealing point		°C	570	560	745	575
Dielectric constant	1MHz, 25°C		6.8	6.9	5.6	6.5
$\tan \delta$	1MHz, 25°C	$\times 10^{-4}$	100	100	10	100
Hydrolytic resistance	JIS R3502	R ₂ Omg	0.05	0.08	<0.01	0.07
Light transmittance	$\lambda=500nm$, $t=0.5mm$	%	92	92	92	92
Refractive index (n_d)			1.52	1.51	1.53	1.51
Density		$\times 10^3 kg/m^3$	2.46	2.47	2.52	2.44

Transmittance



Dimension example

	Dimensions	Thickness	Tolerance of thickness
BDA-E	2×2mm-360×440mm	0.1-1.1mm	± 0.01- ± 0.1mm
CB-1		1.1mm	
ABC-1	Φ100-300mm	0.3-0.5mm	
BDA	2×2mm-50×50mm	0.3-0.7mm	

Various optical coatings can be designed as requested.