

“To supply sustainable products”

We are now working to comply with SDGs policy. So, we are focusing on development and sales of glass made without harmful materials and that is one of our business targets. Today, we would like to introduce IR pass filter glass without lead material. And we would like to deliver solutions to customers in terms of glass melting, precise processing, coating, and so on.



Under development 【Lead free IR pass filter】

Quality

- Without harmful materials
- To control transmittance on IR wavelength strictly with coating

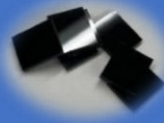
Cost

- Own melting facilities, own forming process
- To reduce total / coating cost because of controlling rough transmittance on IR wavelength

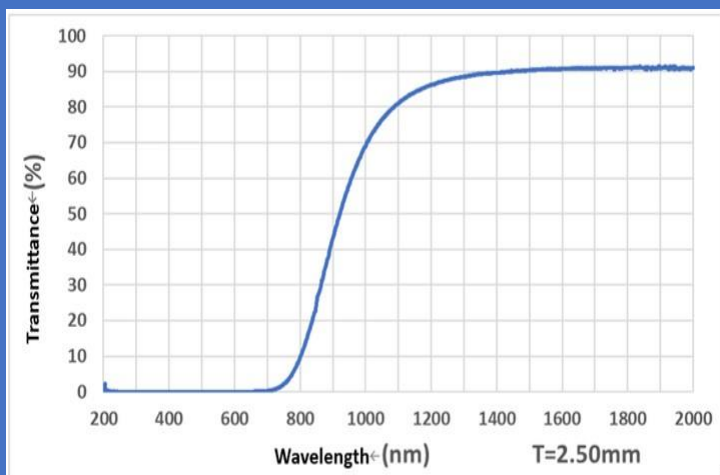
Delivery

- Own melting facilities, own forming process
- Small lots with shortened terms
- Flexibility on delivery term

【LG1000】



Instances: LiDAR, optical filter



Product name	LG1000
Refractive index (nD)	—
Expansion coefficient α [10 ⁻⁷ /°C]	80.42 (100/300)
Transition point T _g [°C]	548
Deformation point At [°C]	613
Softening point T _s [°C]	—
Knoop hardness Hk	— (100g/15sec)
Density [g/cm ³]	2.676
60°C/90% RH(non-coated)	1000HR
Optical property (non-coated)	Thickness2.5mm
400nm	0.0%
800nm	9.7%
1000nm	69.2%
1200nm	86.2%
Half maximum (50%)	921nm
Composition type	Silicate
RoHS regulated substances (Pb,Hg,Cr(VI),Cd)	Not contained
Halogenated substances	Not contained