

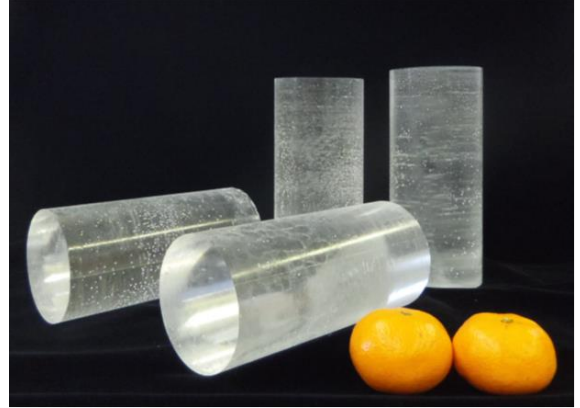


Li₂B₄O₇ (Lithium Tetraborate)

Single Crystal for DUV optics

Advantages

- ✓ High transmittance at DUV
- ✓ Large size ($\phi = 84$ mm)
- ✓ Cost effective
(based on Vertical Bridgman method)

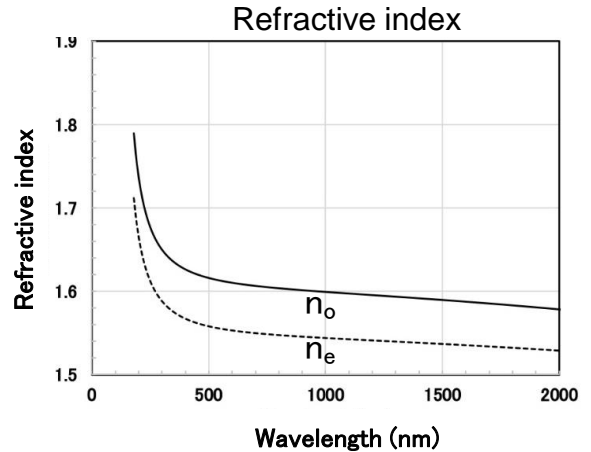
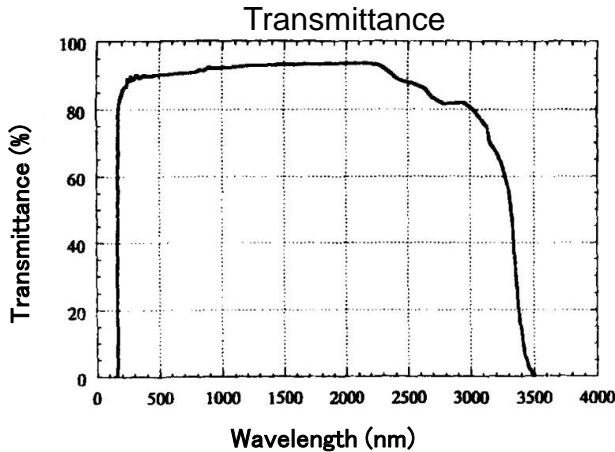


Optical properties

Transmission range : 170 nm ~ 3300 nm

Refractive indices : $n_o=1.775$, $n_e=1.699$ @ 185 nm

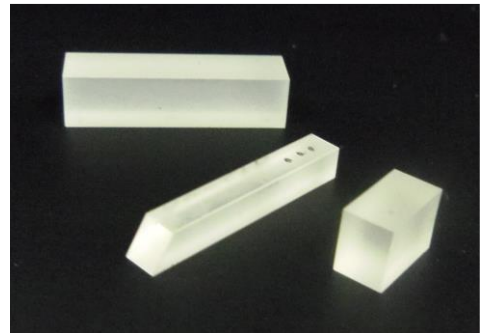
$n_o=1.613$, $n_e=1.556$ @ 546 nm



Applications

- ✓ DUV Glan-Thompson Polarizer
- ✓ Electro-optic modulator
- ✓ NLO device

Ref: T.Sugawara et. al., Solid State Commun. 107 (1998) 233.



OXIDE

Oxide Corporation



1747-1 Makihara, Mukawa, Hokuto, Yamanashi 408-0302 JAPAN

Tel: +81-551-26-0022, Fax: +81-551-26-0033

Sales@opt-oxide.com, <https://www.opt-oxide.com>