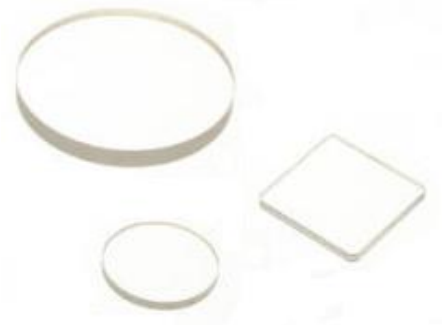


HI-RETAX

Wave plate



HI-RETAX is the compensator glass which bonded a wavelength film having the birefringence together by holding between the substrate such as optical glass which optical characteristics is excellent. Rich types such as 1/4 wavelength, 1/2 wavelength and full wavelength (sensitive color) have been prepared. HI-RETAX is the compensator that improved quality more than RETAX.

Features

- There is little change in the phase difference at the high temperature (approximately 70 °C).
- There is not almost place difference in the plane.
- It is better for the orientation.
- The sensitive color plate (full wavelength) is seen the color similar to crystal compensator and mica compensator to be observed under polarized light.

In the crossed nicols



The sensitive color plate

Products list

HI-RETAX-1/4λ

The case in which the incident light of linear polarization is changed to circularly polarized light.

HI-RETAX-1/2λ

The case in which incident light is rotated for vibrations direction 90 degrees.

HI-RETAX-1λ (sensitive color)

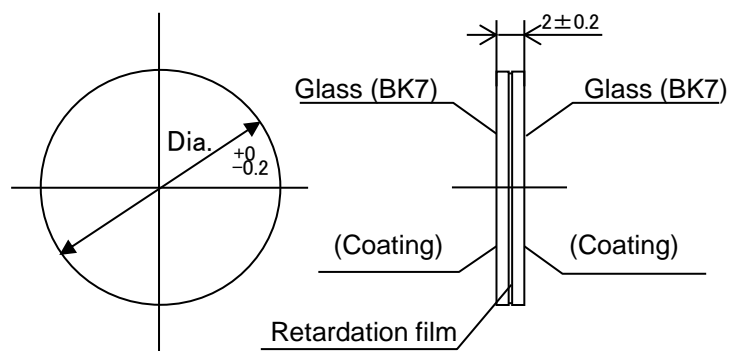
Suitable for the sensitive colour plate.

When the sensitive color plate is put between two polarizing plates, the light passed them is vivid blue-purple color as an interference light.

Specification of standard product

Glass	BK7	
Diameter	φ10mm	
	φ20mm	
	φ30mm	
Thickness	2mm	
Retardation	about 10nm ~ 580nm	
Retardation tolerance	1/4λ	±10nm
	1/2λ	±10nm
	1λ	±5 nm
AR coating	Nothing (Option)	
Axis marking	Nothing (Option)	

Dimension



*It is possible to satisfy customer's request for special specification.