

## CaF<sub>2</sub> (Calcium Fluoride)

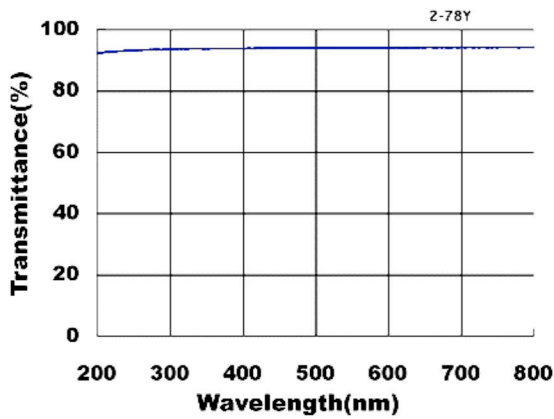


Calcium Fluoride (CaF<sub>2</sub>), with its characteristic of low distributions has a long history in imaging fields.

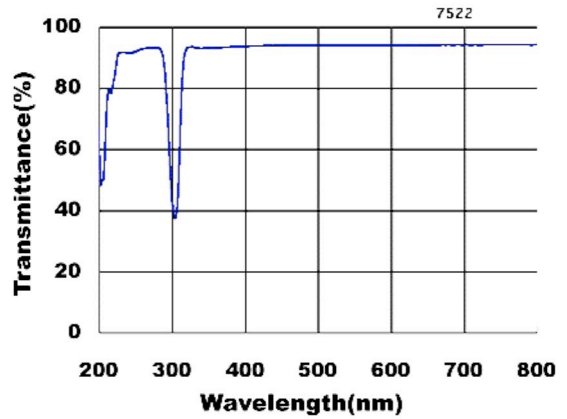
With its high transparency, it is used as an optical material for excimer laser, semi-conductor. In this market, high laser durability and transparency are expected

NK&K not only produce CaF<sub>2</sub> from crystal growth to processing but makes its evaluation within the company. From IR grade to ArF Grade, NK&K supplies various grade of high quality Calcium Fluorides.

## ArF Grade Transmittance



## IR , UV Grade Transmittance



## Transmittance and Laser durability of ArF Grade is VUV region

(Transmittance before and after ArF Laser Irradiation)

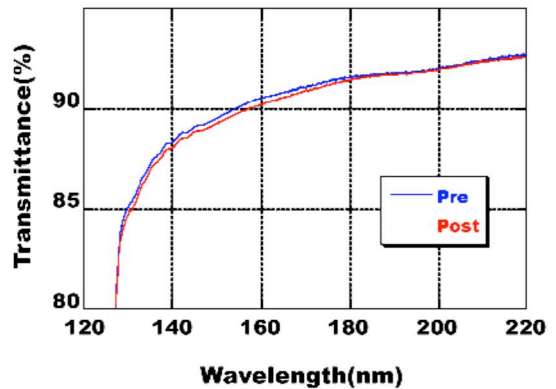
### Standard Spec

Diameter : 250mm (Max)

Thickness : 100mm

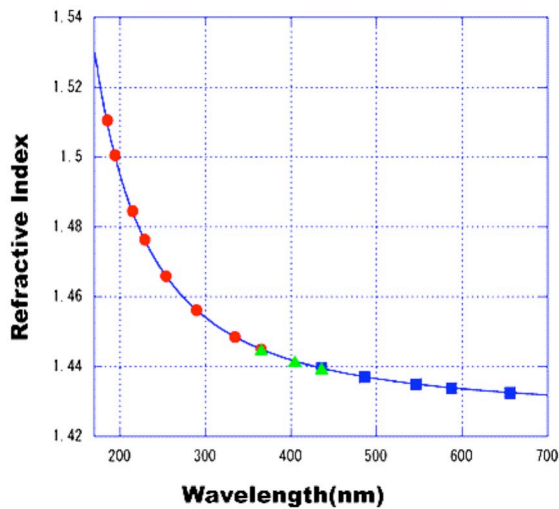
Homogeneous : 1ppm or less

Birefringence : 1nm/cm or less



## CaF<sub>2</sub> Refractive Index

(Typical data of dispersion and measured value)



### Contact us

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