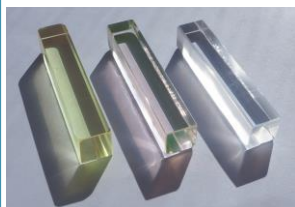


Discover our range of **bulk fluoride glasses**:

LVF can provide any kind of bulk fluoride glasses such as parallelepipeds, ribbons, rods or tubes, prisms... Those bulks can be **homogeneously doped or co-doped with rare earths** (Er, Pr, Ho, Tm, Dy, Ho/Tm, Er/Pr, Pr/Yb...) depending on your requirements.

Typical bulk specifications



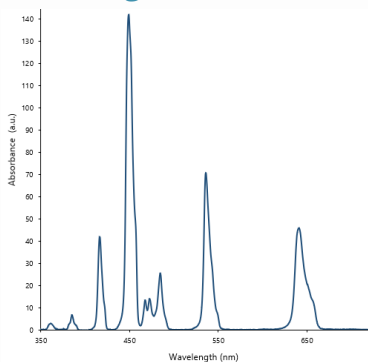
Rare earth concentration	Up to 100 000 ppm +/- 100 ppm	
POLISHING	STANDARD GRADE	HIGH GRADE
Thickness tolerance	+/- 100 µm	+/- 10 µm
Width tolerance	+/- 200 µm	+/- 50 µm
Surface roughness (*)	70 Angström RMS	50 Angström RMS
Defects in polished surface (*)	-	20/10 Scratch/Dig

(*) other grades available upon request

Applications

Our bulk fluoride glasses can be used as robust **fluorescent solid-state dye, wavelength reference material, light converter**, as well as for glass science, study of specific properties of fluoride glasses, in **UV, visible** and **mid-infrared** ranges.

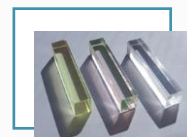
Ex.: calibration/detection of UV sources with visible sensors (UV to VIS light conversion), detection of NIR sources (NIR to VIS light conversion), calibration of spectrometers and imagers (spectral calibration: fluorescence or absorption spikes at specific wavelengths)



Ground state absorption of Ho³⁺ ion in ZBLAN glass bulk (wavelength reference material)

CUSTOMIZE

your own bulks or ribbons



Specifications

- Doping/ co-doping
- Shape/size
- Polishing grade

Fluorescence and wavelength calibration

If you have a special request, please contact our experts!

