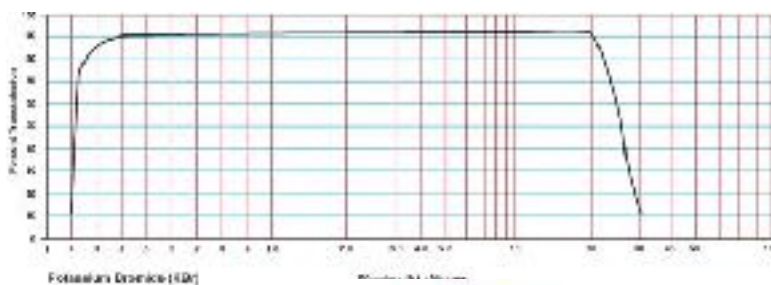
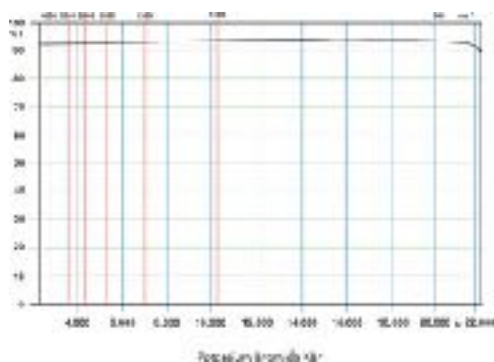


Optical Material

Potassium Bromide (KBr) Optical Crystals

Potassium Bromide is commonly used for infrared transmission windows in gas and liquid sample cells used with infrared and FTIR spectrophotometers and for beam splitters for spectrophotometers. KBr windows are soft and hygroscopic. ICL is the only company in the United States that grows KBr.



Optical Properties- Potassium Bromide

(KBr) Optical Crystals

Transmission Range: 230nm to 25µm
Refractive Index: 1.524 at 11µm
Reflection Loss: 8.4% at 10 µm(2 surfaces)

Physical Properties-Potassium Bromide (KBr) Optical Crystals

Melting Point: 730° C
Young's Modulus: 26.8 GPa
Apparent Elastic Limit: 160 psi
Structure: Cubic- (100) cleavage plane

Chemical Properties-Potassium Bromide (KBr) Optical Crystals

Solubility: 53.4gm/100gm H₂O at 0° C

