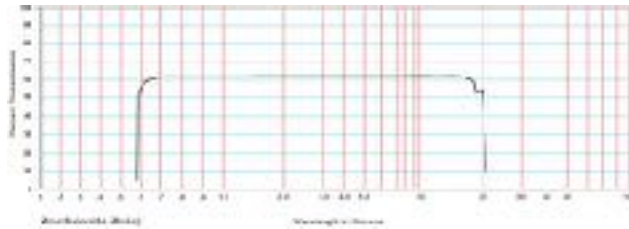
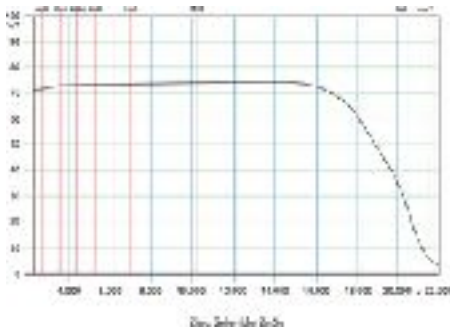


Optical Material Zinc Selenide (ZnSe) Optical Crystals

Zinc Selenide (ZnSe) is commonly used for CO₂ laser focusing lenses, night vision applications, ATR prisms and transmission windows for IR spectroscopy.

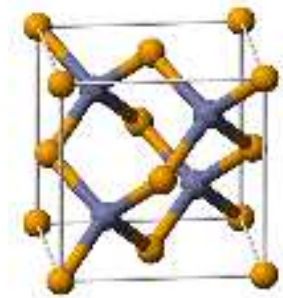


Optical Properties- Zinc Selenide (ZnSe) Optical Crystals

Transmission Range: 500nm to 22μm
Refractive Index: 2.4 at 10.6μm
Reflection Loss: 29% at 10.6 μm (2 surfaces)

Physical Properties- Zinc Selenide (ZnSe) Optical Crystals

Melting Point: 1525° C
Hardness (Knoop): 120 kg/mm²
Young's Modulus: 67.2 GPa
Modulus of Rupture: 8000 psi
Structure: Cubic (typically polycrystalline by chemical vapor deposition)



Chemical Properties- Zinc Selenide (ZnSe) Optical Crystals

Solubility: Insoluble in water. Soluble in HNO₃. Soluble in strong acid

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