

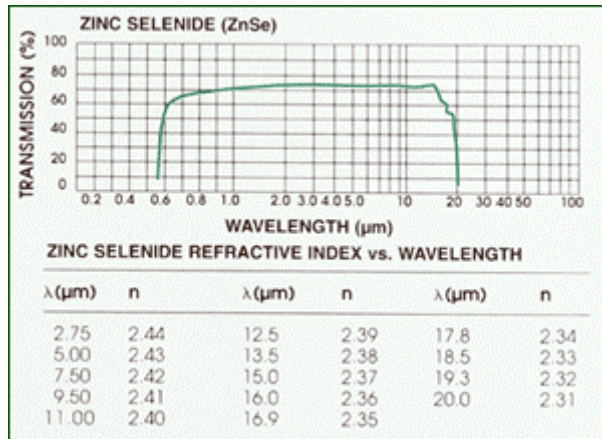
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ZINC SELENIDE₂

Used for Infrared windows, lenses, mirrors and prisms in the region 0.5 microns to 22 microns, major uses being laser optics and Forward Looking IR systems (FLIR).

Transmission Range	0.5 - 22.0 μ
Crystal Structure	Polycrystalline Cubic
Cleavage Plane	None
Colour	Yellow
Density	5.27
Melting Point ($^{\circ}$)	1525
Reflection Loss	29% (10.6 μ) for 2 surfaces
Solubility index	Insoluble
Hardness (Knoop)	120/50gm indenter
Thermal Conductivity (cal/cm sec $^{\circ}$ C)	18Wm ⁻¹ °K ⁻¹ (25 $^{\circ}$ C)
Thermal Expansion coefficient (/ $^{\circ}$ C)	7.57x10 ⁻⁶ /°K



Whilst every effort has been made to verify the data provided, no responsibility can be accepted for its accuracy