

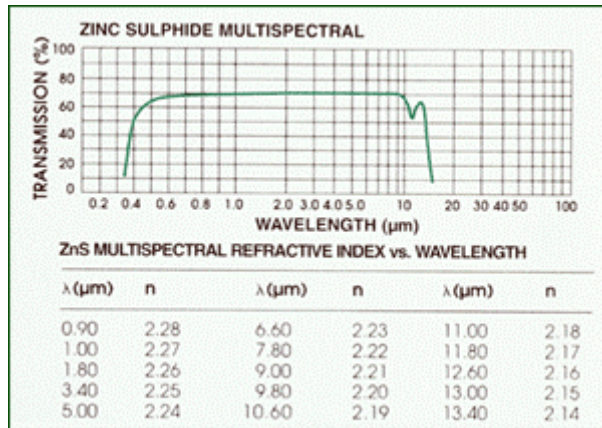
## GLOBAL OPTICS (UK) LTD

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### ZINC SULPHIDE - Multispectral Grade

Used for Infrared windows and lenses. The Regular (FLIR) grade is visibly opaque and the Multispectral grade is the water clear form for visible and infrared applications.

Transmission Range	0.37-14.0 $\mu$
Crystal Structure	Polycrystalline Cubic
Cleavage Plane	None
Colour	Colourless
Density	4.09
Melting Point ( $^{\circ}$ )	-
Reflection Loss	24% (10.6 $\mu$ ) for 2 surfaces
Solubility index	65x10 <sup>-6</sup> /100gm water
Hardness (Knoop)	150-165Kg/mm <sup>2</sup>
Thermal Conductivity (cal/cm sec $^{\circ}$ C)	0.27 (W/cm $^{\circ}$ C)
Thermal Expansion coefficient (/ $^{\circ}$ C)	6.5x10 <sup>-6</sup> / $^{\circ}$ K



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