

Chemical Formula	ZnS
Refractive Index (10.6 μm)	2.19
Knoop Hardness (psi)	355
Modulus of Rupture (psi)	10,000
Useful Wavelength Range, Transmission (μm)	0.45-14.0
Useful Wavelength Range, ATR (μm)	0.7-10
Maximum Useful Temperature (C°)	300
Melting Point (C°)	>800
General Properties	Slightly harder and more chemically resistant than ZnSe; good resistance to thermal and mechanical shock; withstands reasonable abrasion; clear.
Chemical Properties	Soluble in some acids; insoluble in water and normal bases; reacts to strong oxidizing agents; slightly soluble in nitric acid and sulfuric acid.
Clean with...	Acetone; alcohol; water.

This was compiled from various sources. For more details, consult the Chemical Abstracts Service at www.cas.org.

Transmission Spectrum

