

Chemical Formula	BaF <sub>2</sub>
Refractive Index (at 1.01 μm)	1.47
Knoop Hardness (psi)	82
Modulus of Rupture (psi)	3900
Useful Wavelength Range, Transmission (μm)	0.2-11
Useful Wavelength Range, ATR (μm)	0.3-9.5
Maximum Useful Temperature (C°)	500
Melting Point (C°)	1280
General Properties	Subject to thermal and mechanical shock; hard; colorless.
Chemical Properties	Slightly soluble in water; soluble in acid; incompatible with NH <sub>4</sub> salts; good resistance to fluorine and fluorides; non-hygroscopic.
Clean with...	Acetone, alcohol.

This was compiled from various sources. For more details, consult the Chemical Abstracts Service at [www.cas.org](http://www.cas.org).

## Transmission Spectrum

