

Chemical Formula	Al ₂ O ₃
Refractive Index (1.01 μm)	1.76
Knoop Hardness (psi)	1370
Modulus of Rupture (psi)	65,000
Useful Wavelength Range, Transmission (μm)	0.15-5.0
Useful Wavelength Range, ATR (μm)	0.3-3.7
Maximum Useful Temperature (C°)	1800
Melting Point (C°)	2030
General Properties	Hard; strong; useful at high temperatures; colorless.
Chemical Properties	Incompatible with strong acids and bases: insoluble in water; slightly soluble in acids and alkalis.
Clean with...	Alcohol, acetone, and water.

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

Transmission Spectrum

