

Material Data	
Optical Properties	
Transmission Range	0.15-14 μ m
Transmittance	>94%@0.35nm-10.8 μ m
Refractive Index	1.462@2.58 μ m 1.45@5 μ m
Reflection Loss	6.8%@2.58 μ m (both surfaces) 6.5%@5 μ m (both surfaces) 5.3%@10.35 μ m (both surfaces)
Absorption Coefficient	3.2×10^{-4} @6 μ m
Structure	Cubic Crystal System
Cleavage Planes	<111>
Physical Properties	
Density[g/cm ³]	4.89
Melting Point [°C]	1386
Thermal Conductivity [W/(m×K)]	11.72 @ 286K
Thermal Expansion [10 ⁻⁶ /K]	18.1 @ 273K
Knoop Hardness [kg/mm ²]	82
Specific Heat Capacity [J/(kg×K)]	410
Dielectric Constant	7.33 @ 1 MHz
Young's Modulus (E) [GPa]	53.07
Shear Modulus(G) [GPa]	25.4
Bulk modulus(K) [GPa]	56.4
Poisson Coefficient	0.343
Chemical Properties	
Solubility / g/L	1.7g @ 20°C
Molecular Weight / g/mol	175.3238

Transmittance Curve

