* Tetragonal shear modulus
* Cauchy pressure
* The Kelixman parameter
* Pugh’s ratio
* Machinability
* Elastic Anisotropy,
* Universal log-Euclidean index,
* Universal anisotropy index,
* Universal Anisotropy in compressibility,
* Anisotropy in shear,
* Equivalent Zener Anisotropy,
* Uniaxial bulk modulus along a, b and c – axis,
* Anisotropics of bulk modulus along a-axis and c-axis,
* Linear compressibility along a-axis and c-axis,
  + Ratio of linear compressibility,
* Transverse velocity,
* Longitudinal velocity,
* Average velocity,
* Density of compound,
* Acoustic impedance,
* Radiation factor on intensity of sound,
* The Gruneisen parameter (where, σ = Poisson’s ratio),
* Debye temperature,

Or,

* Melting temperature,
* Thermal expansion coefficient
* Heat capacity of a material per unit volume

, where N = no. of atoms per unit volume

* Minimum thermal Conductivity

, where n = atoms per unit volume.

* Lattice thermal conductivity
* Wave length of dominant phonon at T,