Table 1. Adiabatic bulk modulus and its isothermal pressure derivative of 3 hexagonal and 2 trigonal crystals. All values are at T = ∿300 °K.

Material	Density (gm/cm^3)	Volume (cm^3/mole)	B_1^S	B_2^S	B^{*S} (x 10^{-11} dyn/cm^2)	$\frac{dB_1^S}{dp}$	$\frac{dB_2^S}{dp}$	$\frac{dB^{*S}}{dp}$	% Elastic Anisotropy
Mg (59Sl)[a]	1.738	13.993	3.555	3.557	3.556	4.06	4.06	4.06	0.01
Cd (62Cl)	8.648	12.998	4.858	5.774	5.316	6.66	6.30	6.48	8.72
CdS (67Cl)	4.870	29.667	6.176	6.177	6.177	4.12	4.12	4.12	0.01
α-Quartz (65Ml)	2.649	22.684	3.741	3.790	3.766	6.33	6.51	6.42	0.65
α-Al_2O_3 (67Gl)	3.986	25.580	25.441	25.472	25.457	4.28	4.26	4.27	0.11

[a] 59Sl: R. E. Schmunk and C. S. Smith, J. Phys. Chem. Solids 9, 100 (1959).
62Cl: J. A. Corll, Case Institute of Technology, ONR Tech. Rept. no. 6 (Contract Nonr-1141(05), Project NR 017-309), June 1962.
65Ml: H. J. McSkimin, P. Andreatch, and R. N. Thurston, J. Appl. Phys. 36, 1624(1965).
67Cl: J. A. Corll, Phys. Rev. 157, 623 (1967).
67Gl: J. H. Gieske, Personal Communications (1967).