

Indium antimonide (InSb)	[111]	>17	-	E-5	Kennedy, et al. (1965)
Indium antimonide (InSb)	[110]	>20	-	E-5	Kennedy, et al. (1965)
Titania (TiO ₂)	[100]	70	6 mm	E-13	Linde, et al. (1968)
Titania (TiO ₂)	[001]	100	6 mm	E-13	Linde, et al. (1968)
Sodium chloride (NaCl)	[100]	~ 0.3	5-14 mm*	E-5	Benedick (1968)

POLYCRYSTALLINE CERAMICS

Lucalox (Al ₂ O ₃ , ρ _o = 3.98)	-	99-123	3-13 mm	E-11	Ahrens, et al. (1968)
Alumina (Al ₂ O ₃ , ρ _o = 3.92)	-	140	-	E-11	Gust, et al. (1968)
Alumina (Al ₂ O ₃ , ρ _o = 3.81)	-	67-100	6 mm	E-11	Ahrens, et al. (1968)
Alumina (Al ₂ O ₃ , ρ _o = 3.76)	-	58-72	13 mmϕ	G-5, 9	Present work
Alumina (Al ₂ O ₃ , ρ _o = 3.72)	-	80	-	E-11	Gust, et al. (1968)
Magnesium oxide (MgO, ρ _o = 3.58)	-	89-35	4-10 mm	E-11	Ahrens (1966)
Boron carbide (B ₄ C, ρ _o = 2.50)	-	150	-	E-11	Gust, et al. (1968)
Barium titanate (BaTiO ₃)	-	25	13 mm	E-9	Reynolds, et al. (1962)
Barium titanate (BaTiO ₃)	-	~30	3-13 mm ⁺	E-10	Doran (1968)
Lead zirconate titanate (PZT 95/5)	-	~40	4-13 mm ⁺	E-10, 11	Doran (1968)
Lead zirconate titanate (PZT 52/48)	-	19	13 mm	E-9	Reynolds, et al. (1962)
Manganese-zinc ferrite	-	23	14 mmϕ	E-5	Present work
Yttrium iron garnet (ρ _o = 5.07)	-	>60	8 mm	G-5	Present work
Polycrystal quartz rocks	-	47-130	3-13 mm ⁺	E-11	Ahrens, et al. (1966)
Titania (TiO ₂ , ρ _o = 4.24)	-	75	6 mm	E-13	Linde, et al. (1968)

(a) AR denotes as-received.

(b) When a range of sample thicknesses is given and + is noted in remarks, the larger HEL value corresponds to the smaller sample thickness, and vice versa.

(c) Numbers refer to sample thickness. Symbols: + sample thickness effect observed; * stress relaxation observed; ϕ poorly defined elastic wavefront.

(d) Letters denote method of loading: E explosive loading, and G gun impact. Numbers denote measurement techniques:

1. Pins, Minshall (1955).
2. Slanted resistance wire, Barker et al. (1964a).
3. Interferometer, Barker et al. (1965).
4. Velocity interferometer, Barker (1967).
5. Quartz gauge, Graham et al. (1965).
6. Capacitor, Rice (1961).
7. Capacitor, Ivanov et al. (1963).
8. Solid dielectric capacitor, Graham et al. (1967).
9. Optical knife-edge, Davis et al. (1961).
10. Optical lever-oblique shock, Fowles (1961).
11. Inclined mirror, Doran (1963).
12. Optical lever, McQueen (1964).
13. Manganin wire, Keough et al. (1964).
14. Capacitor, Hughes et al. (1961).