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Acoustic Properties of Shear Piezoelectrics

Vendor	Material	Z_s MRayl	V_s mm/: s	Q_m	ν_r	k_t	D g/cm ³	tan *	T_c °C	Ref
Crys	Lithium niobate 163°Y-cut	20.6	4.44	100	58.1	0.305	4.64	0.001	1150	[5]
Mura	"surface wave material"	22.1	2.78	1000	360	0.25	7.95	0.0024	280	[7]
Chan	C5500	16.55	2.18	35	800	0.436	7.6	0.03	350	[5]
Vern	PZT-4	19.72	2.63	500	730	0.504	7.5	0.004	328	[6]
Vern	PZT-5A	17.52	2.26	75	916	0.469	7.75	0.02	365	[6]
Vern	PZT-5H	17.85	2.38	65	1700	0.456	7.5	0.02	193	[6]
Vern	PZT-8 not as uniform as other Vernitron ceramics, brittle	18.32	2.41	1000	900	0.303	7.6	0.004	300	[6]