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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] |