Piezoelectrics	Longitudinal Velocity (cm/µsec)	$e_{R,}$	d_{33} 10^{-12}m/v	g_{33} 10^{-3}vm/n	Frequency Constant Hz-m	Density g/cm^3	A coustic Impedance g/cm^3-sec x10^5
AlN	.488	*N/A*	*N/A*	*N/A*	2440	8.8	42.94
Barium Titanate	.564	1200	149	14.1	2740	5.55	33.5
Lead Zirconate Titanate							
PZT-2	.441	450	152	38.1	2090	7.6	31.3
PZT-4	.460	1300	289	26.1	2000	7.5	34.5
PZT-5A	.435	1700	380	24.8	1890	7.75	33.7
PZT-5H	.456	3400	593	19.7	2000	7.5	34.2
K180	.400	425	180	41	2006	7.7	31
K270	.406	1300	270	26	2032	7.5	31
K278	.406	1100	240	26	2032	7.5	31

K350	.396	1700	290	25	1981	7.7	30.5
K500	.396	2700	500	20	1981	7.6	30.5
K550	.408	3000	550	20	2032	7.8	31
Lead Titanate							
K NTA	.417	170	62	40	2082	7.5	33
K N3B	.427	215	70	37	2134	7.65	33
Lead Metanlobate							
K-81	.305	300	85	32	1524	6.2	19
K-83	.548	175	65	42	2743	4.5	24.5
K-85	.335	80	180	27	1676	5.7	18.5
PVDF	.220	12	33	339	1100	1.78	2.5
Lithium Niobate							
(Z-cut)	.773	***N/A***	***N/A***	***N/A***	***N/A***	4.64	34.0

(Y-cut)	.688	N/A	N/A	N/A	N/A	4.64	31.9
Sodium Bismuth Titanate		140	18	15	2082	N/A	N/A
K15	.417	N/A	N/A	N/A	N/A	7.2	29
Lithium Sulfate (Y-cut)	.546	10.3	15	165	2730	2.06	11.2
Quartz	.566	4.5	2.3	N/A	2830	6.82	15.2
Tourmaline	.754	7.5	N/A	N/A	3770	3.1	23.4

Data compiled by Xactex Corporation. Sources of original data are unknown.

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