No. 1C-b48 $PbTiO_3$–$La(Mg_{2/3}Nb_{1/3})O_3$

3a	Lattice parameters: Fig. 1C-b48-001.
5a	Dielectric constant: Fig. 1C-b48-002.
7a	Electromechanical property: Fig. 1C-b48-003.

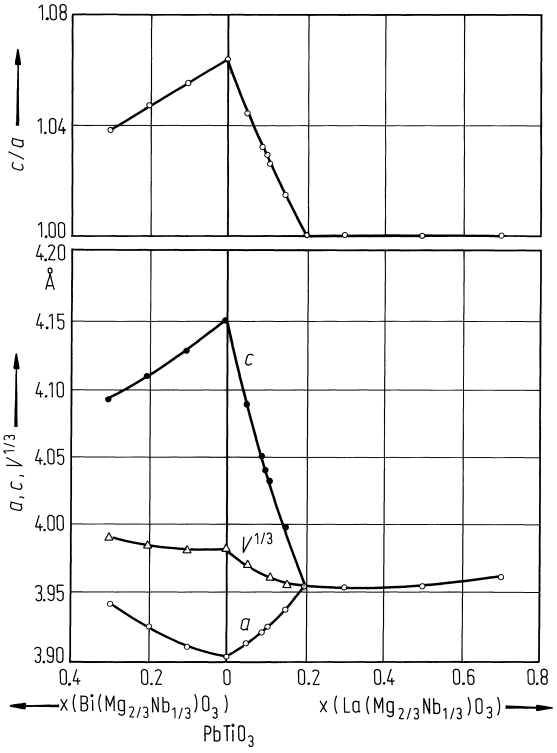

Fig. 1C-b48-001. (1–x)$PbTiO_3$·x $M(Mg_{2/3}Nb_{1/3})O_3$ (M = La, Bi). *a*, *c*, *c/a*, $V^{1/3}$ vs. x [82Nom].

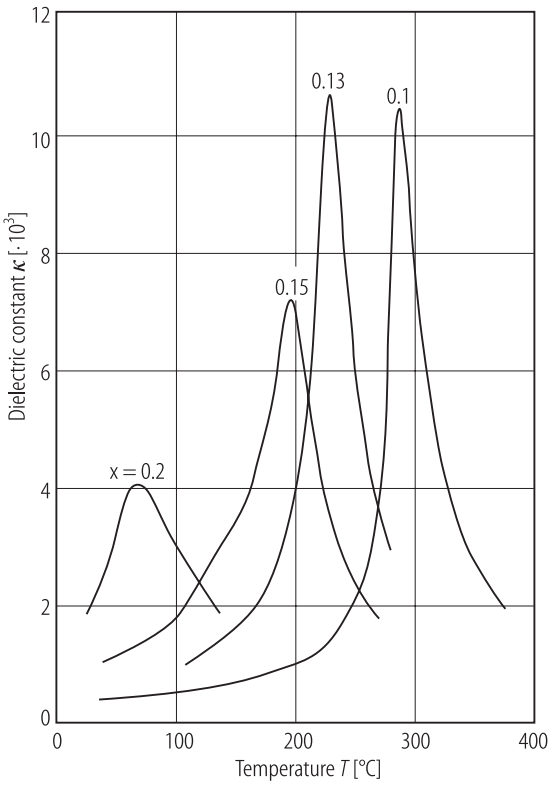

Fig. 1C-b48-002. (1–x)$PbTiO_3$·x $La(Mg_{2/3}Nb_{1/3})O_3$ (ceramics). κ vs. T [82Nom]. Parameter: x. f = 1 kHz.

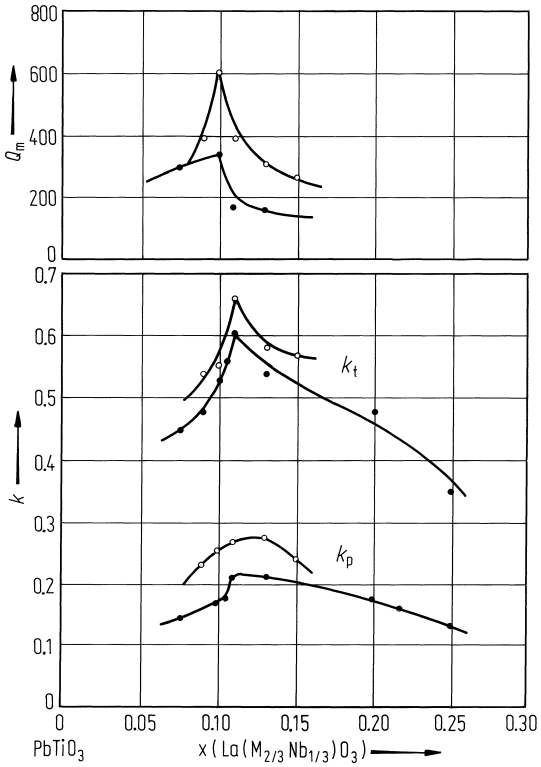

Fig. 1C-b48-003. (1–x)$PbTiO_3$·x $La(M_{2/3}Nb_{1/3})O_3$ (M = Mg, Zn) (ceramics). k_t, k_p, Q_m vs. x [81Nom]. k_t: electromechanical coupling coefficient for thickness extensional mode, k_p: that for radial mode. Q_m: mechanical quality factor. Open circles: M = Mg, full circles: M = Zn.

References

81Nom Nomura, S., Kaneta, K., Kuwata, J., Uchino, K.: Ferroelectrics **37** (1981) 587.
82Nom Nomura, S., Kaneta, K., Kuwata, J., Uchino, K.: Mater. Res. Bull. **17** (1982) 1471.