
No. 1C-b42 $\text{PbTiO}_3\text{--Ba}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3$

1b Ferroelectric transition temperature: Fig. 1C-b42-001.

3a Lattice parameters: Fig. 1C-b42-002.

5a Dielectric constant: Fig. 1C-b42-003.

7a Piezoelectricity: Fig. 1C-b42-004.

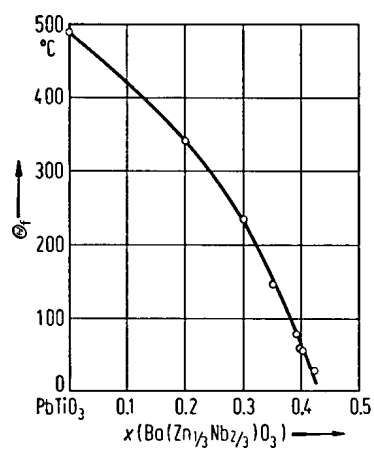


Fig. 1C-b42-001. $(1-x)\text{PbTiO}_3 \cdot x \text{Ba}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3$. Θ_f vs. x [72Nom].

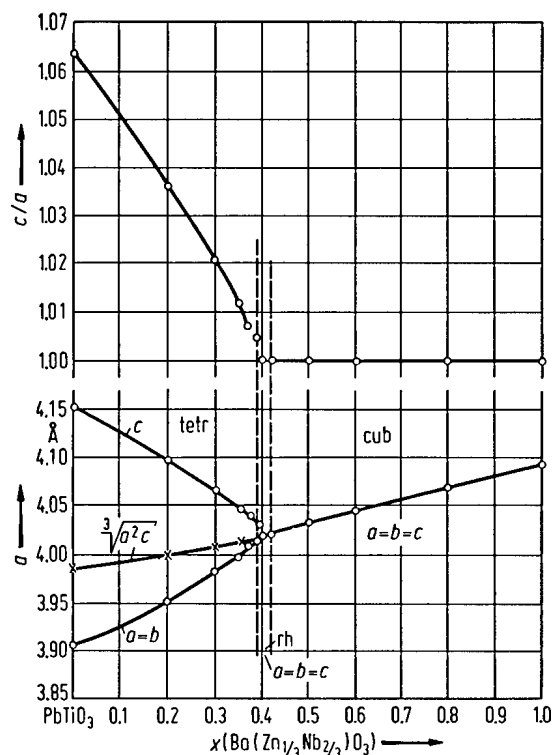


Fig. 1C-b42-002. $(1-x)\text{PbTiO}_3 \cdot x \text{Ba}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3$. Lattice parameters vs. x [72Nom].

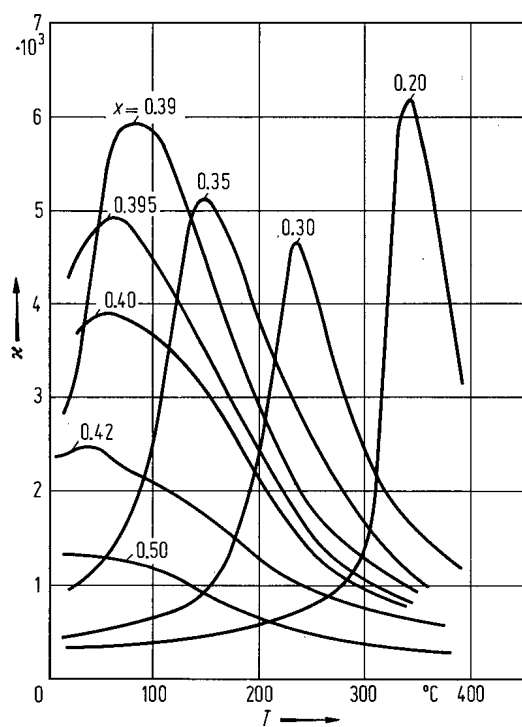


Fig. 1C-b42-003. $(1-x)\text{PbTiO}_3 \cdot x \text{Ba}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3$ (ceramics). κ vs. T [72Nom]. Parameter: $x, f = 100 \text{ kHz}$.

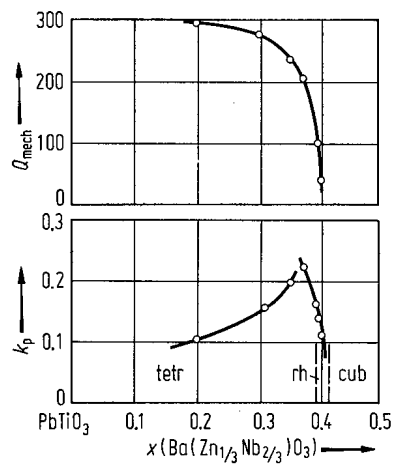


Fig. 1C-b42-004. $(1-x)\text{PbTiO}_3 \cdot x \text{Ba}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3$ (ceramics). k_p , Q_{mech} vs. x [72Nom].

Reference

72Nom Nornura, S., Arima, H.: Jpn. J. Appl. Phys. **11** (1972) 358.