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**No. 1C-b39  $\text{PbTiO}_3\text{--Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3$** 

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**1b** Phase diagram: Fig. 1C-b39-001.

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**3a** Lattice parameters: Fig. 1C-b39-002.

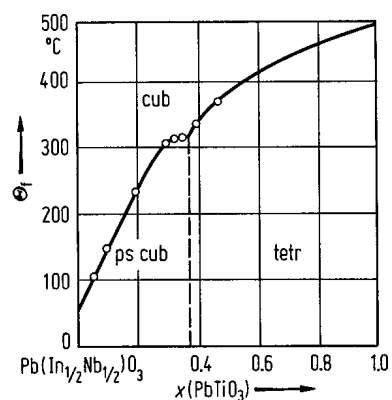
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**5a** Dielectric constant: Fig. 1C-b39-003.

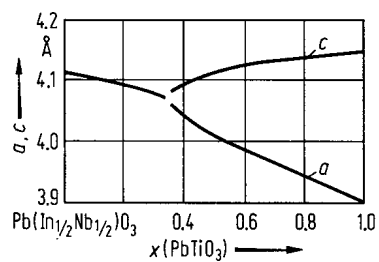
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**7a** Piezoelectricity: Fig. 1C-b39-004.

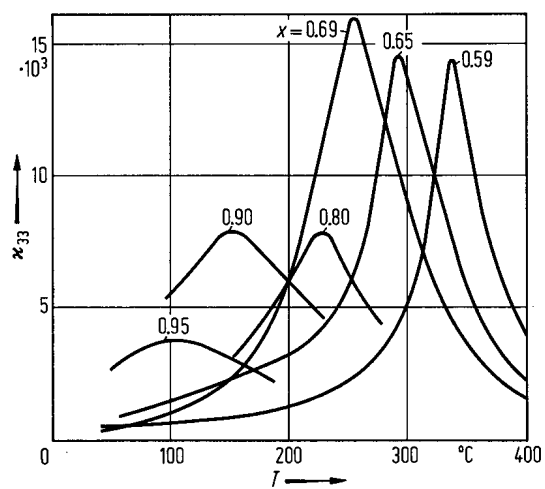
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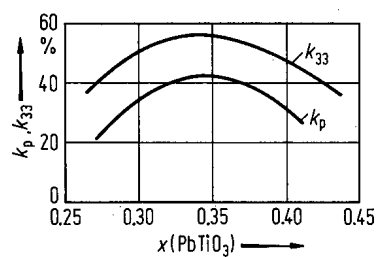
**Fig. 1C-b39-001.**  $(1-x)\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3 \cdot x \text{PbTiO}_3$ ,  $\Theta_f$  vs.  $x$  [69Kod].



**Fig. 1C-b39-002.**  $(1-x)\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3 \cdot x \text{PbTiO}_3$ .  $a$ ,  $c$  vs.  $x$  [69Kod].



**Fig. 1C-b39-003.**  $(1-x)\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3 \cdot x \text{ PbTiO}_3$   
(ceramics).  $\kappa_{33}$  vs.  $T$  [69Kod]. Parameter:  $x$ .  $f = 1 \text{ kHz}$ .



**Fig. 1C-b39-004.**  $(1-x)\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3 \cdot x\text{PbTiO}_3$  (ceramics).  $k_p$ ,  $k_{33}$  vs.  $x$  [69Kod].

**Reference**

69Kod    Kodama, U., Osada, M., Kumon, O., Nishimoto, T.: Am. Ceram. Soc. Bull. **48** (1969) 1122.