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**No. 1C-b35  $\text{PbTiO}_3\text{--Pb}(\text{Sc}_{1/2}\text{Ta}_{1/2})\text{O}_3$** 

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1b Ferroelectric transition temperature: Fig. 1C-b35-001.

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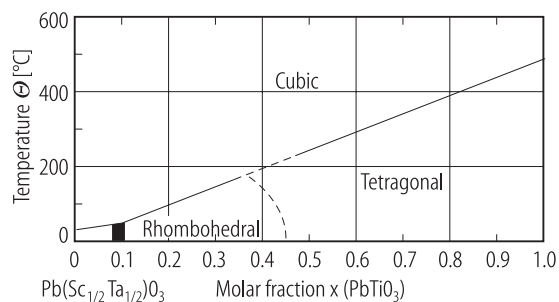
5a Dielectric constant: Fig. 1C-b35-002.

c Spontaneous polarization: Fig. 1C-b35-003.

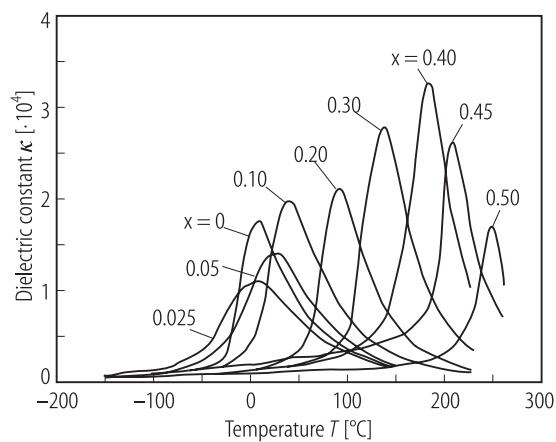
d Pyroelectric response: see

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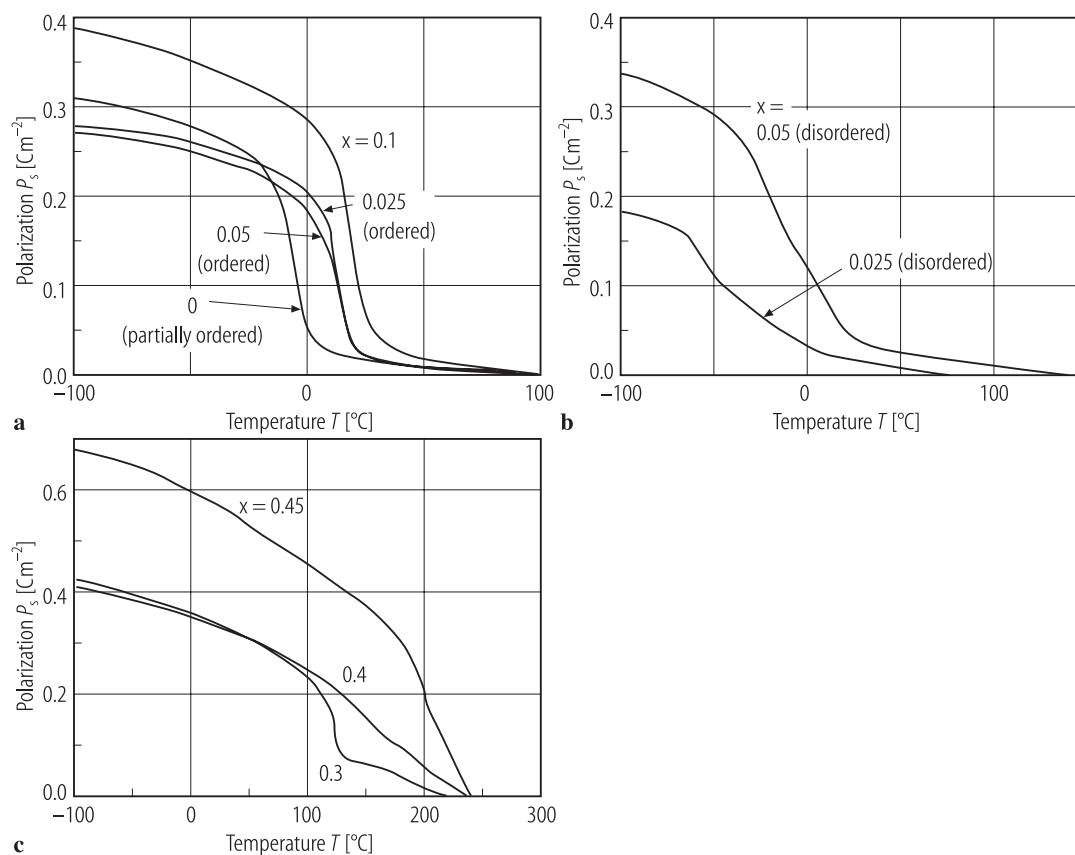
91Gin



**Fig. 1C-b35-001.**  $(1-x)\text{Pb}(\text{Sc}_{1/2}\text{Ta}_{1/2})\text{O}_3 \cdot x \text{PbTiO}_3$ .  $\Theta$  vs.  $x$  [93Wan].



**Fig. 1C-b35-002.**  $(1-x)\text{Pb}(\text{Sc}_{1/2}\text{Ta}_{1/2})\text{O}_3 \cdot x \text{ PbTiO}_3$   
(ceramics).  $\kappa$  vs.  $T$  [90Gin]. Parameter:  $x$ .  $f = 1 \text{ kHz}$ .



**Fig. 1C-b35-003.**  $(1-x)\text{Pb}(\text{Sc}_{1/2}\text{Ta}_{1/2})\text{O}_3 \cdot x \text{PbTiO}_3$  (ceramics).  $P_s$  vs.  $T$  [91Gin]. Parameter:  $x$ .

**References**

- 90Gin    Giniewicz, J.R., Bhalla, A.S., Cross, L.E.: *Ferroelectrics Lett.* **12** (1990) 35.  
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93Wan    Wang, J.F., Giniewicz, J.R., Bhalla, A.S.: *Ferroelectrics Lett.* **16** (1993) 113.