

---

**No. 1C-b58  $\text{PbZrO}_3\text{--Pb}(\text{Sc}_{1/2}\text{Nb}_{1/2})\text{O}_3$** 

---

---

1b Phase diagram: Fig. 1C-b58-001.

---

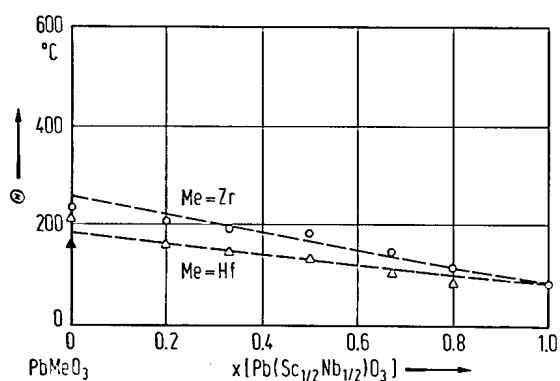
3a Lattice parameters: see

71Kuc

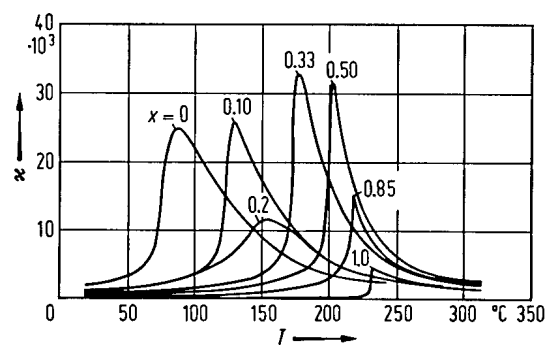
---

5a Dielectric constant: Fig. 1C-b58-002.

---



**Fig. 1C-b58-001.**  $(1-x)\text{PbMeO}_3 \cdot x \text{Pb}(\text{Sc}_{1/2}\text{Nb}_{1/2})\text{O}_3$   
(Me = Zr, Hf).  $\Theta$  vs.  $x$  [63Joh].



**Fig. 1C-b58-002.**  $(1-x)\text{Pb}(\text{Sc}_{1/2}\text{Nb}_{1/2})\text{O}_3 \cdot x \text{PbZrO}_3$  (ceramics).  $\kappa$  vs.  $T$  [71Kuc]. Parameter:  $x$ .  $f = 1$  kHz.

---

**References**

- 63Joh     Johnson, V.J., Valenta, M.W., Doucherty, J.F., Douglass, R.M., Meadows, J.W.: J. Phys. Chem. Solids **24** (1963) 85.
- 71Kuc     Kuchar, F., Valenta, M.W.: Phys. Status Solidi (a) **6** (1971) 525.