No. 1C-b54 $PbZrO_3$–$(K_{1/2}Bi_{1/2})ZrO_3$

1b	Transition temperature: Fig. 1C-b54-001.
3a	Lattice parameters: Table 1C-b54-001; Fig. 1C-b54-002.
5a	Dielectric constant: Fig. 1C-b54-003.

Table 1C-b54-001. $(1-x)PbZrO_3 \cdot x(K_{1/2}Bi_{1/2})ZrO_3$. Lattice constants at RT [62Buh].

x	*a* [Å]	*b* [Å]	*c* [Å]	
0	5.884	11.768	8.220	orthorhombic
0.10	5.882	11.764	8.227	orthorhombic
0.20	5.877	11.755	8.237	orthorhombic
0.30	5.876	11.751	8.248	orthorhombic
0.40	4.151			cubic
0.50	4.152			cubic

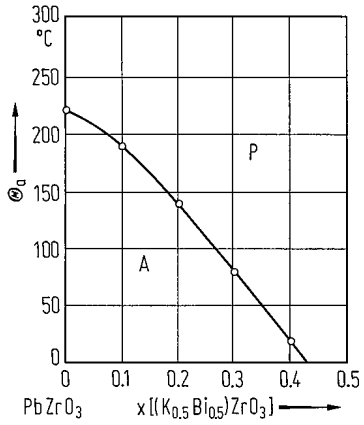

Fig. 1C-b54-001. (1−x)$PbZrO_3$·x$(K_{1/2}Bi_{1/2})ZrO_3$. Θ_a vs. x [62Buh].

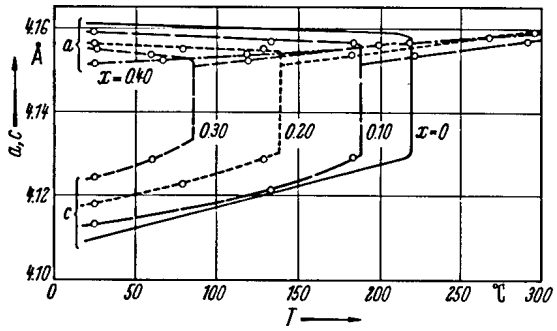

Fig. 1C-b54-002. (1–x)$PbZrO_3$·x($K_{1/2}Bi_{1/2}$)ZrO_3. *a*, *c* vs. *T* [62Buh]. Parameter: x. *a*, *c* are lattice constants of pseudotetragonal cell.

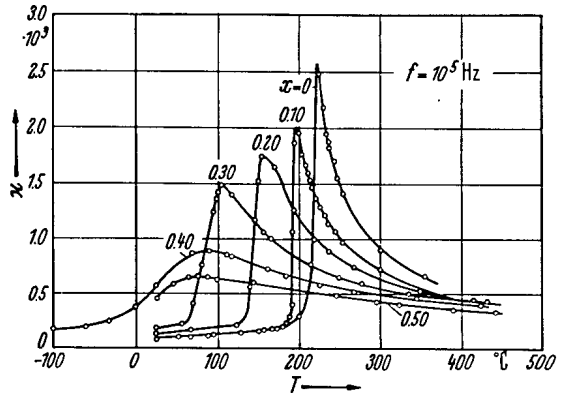

Fig. 1C-b54-003. (1–x)$PbZrO_3$·x($K_{1/2}Bi_{1/2}$)ZrO_3 (ceramics). κ vs. T [62Buh]. Parameter: x. $f = 10^5$ Hz.

Reference

62Buh Buhrer, C.F.: J. Chem. Phys. **36** (1962) 798.