
No. 1C-c6 (Ba,Sr)(Ti,Zr)O₃

3a Lattice constants: Table 1C-c6-001.

5a Dielectric constant: Fig. 1C-c6-001.

Table 1C-c6-001. $(\text{Ba}_{1-x}\text{Sr}_x)(\text{Ti}_{0.9}\text{Zr}_{0.1})\text{O}_3$ with additives (ceramics). The lattice constants of sintered specimens [92Yan].

Sintering temperature [°C]	CuO content [wt %]	x = 0		x = 0.1		x = 0.2		x = 0.3
		a [Å]	c [Å]	a [Å]	c [Å]	a [Å]	c [Å]	a [Å]
1100	1	4.005	4.032	3.994	4.009	3.982	3.992	3.974
	2	4.007	4.032	3.996	4.009	3.984	3.992	3.976
1150	1	4.010	4.032	3.999	4.009	3.987	3.994	3.979
	2	4.014	4.032	4.002	4.009	3.994		3.981
1200	1	4.019	4.036	4.004	4.012	3.996		3.981
	2	4.021	4.036	4.006	4.012	3.996		3.983

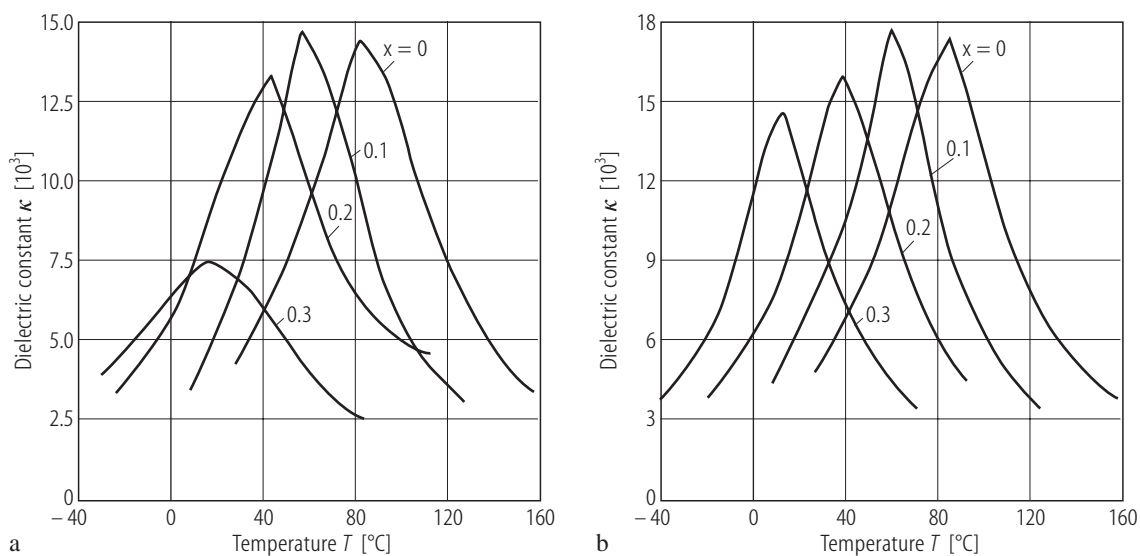


Fig. 1C-c6-001. $(\text{Ba}_{1-x}\text{Sr}_x)(\text{Ti}_{0.9}\text{Zr}_{0.1})\text{O}_3$ with additives (ceramics). κ vs. T [92Yan]. Parameter: x . (a) with 1 wt% CuO, (b) with 2 wt% CuO.

Reference

92Yan Yang, C.-F., Wu, L., Wu, T.-S.: J. Mater. Sci. **27** (1992) 6573.