
No. 1C-a27 CaTiO_3 – CaZrO_3

3a Lattice parameters: Fig. 1C-a27-001.

5a Dielectric constant: Fig. 1C-a27-002.

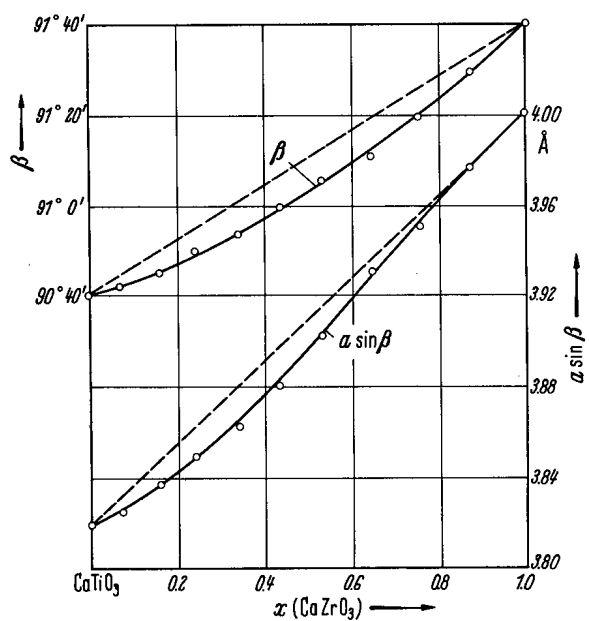


Fig. 1C-a27-001. $\text{Ca}(\text{Ti}_{1-x}\text{Zr}_x)\text{O}_3$. Lattice parameters vs. x [54McQ].

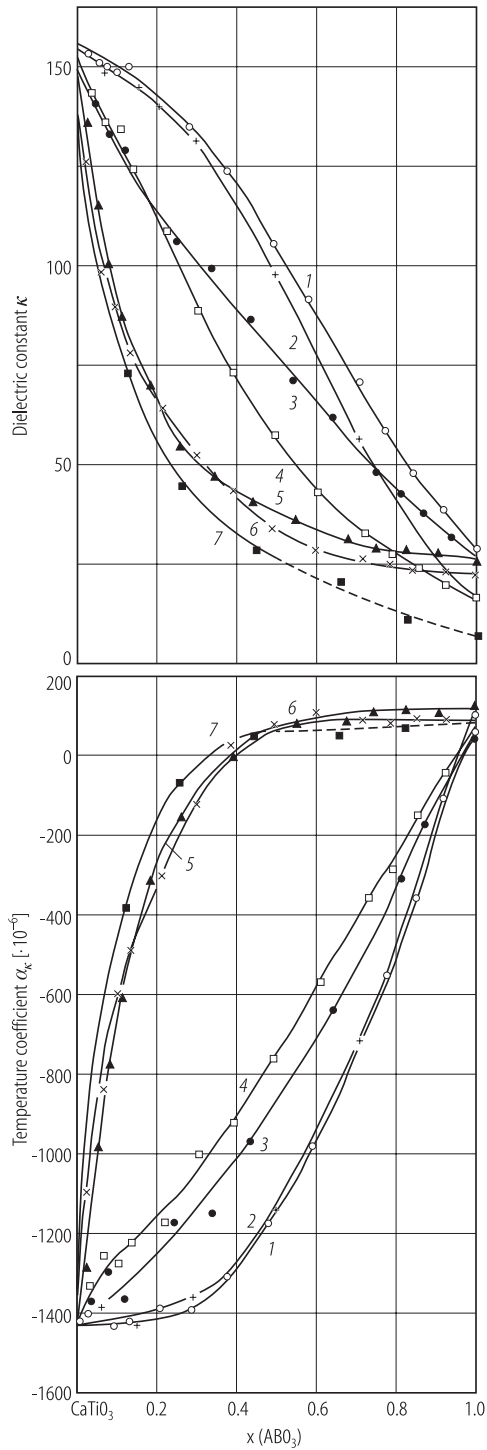


Fig. 1C-a27-002. $(\text{CaTiO}_3)_{1-x}(\text{ABO}_3)_x$ (ceramics). κ , α_κ vs. x [67Ale]. $f = 1$ MHz, $T = 20$ °C. α_κ : temperature coefficient of κ (from 30 to 70 °C). AB: 1: SrZr, 2: SrHf, 3: CaZr, 4: CaSn, 5: LaGa, 6: LaAl, 7: YAl.

References

- 54McQ McQuarrie, M., Behnke, F.W.: J. Am. Ceram. Soc. **37** (1954) 539.
67Ale Aleksadrov, L.A., Lisker, K.E., Fridberg, I.D.: Izv. Akad. Nauk SSSR, Ser. Fiz. **31** (1967) 1898; Bull. Acad. Sci. USSR, Phys. Ser. (English Transl.) **31** (1967) 1942.