No. 1C-a78 $PbTiO_3$–Bi_2O_3·NiO·TiO_2

1b	Phase diagram: Fig. 1C-a78-001.
5c	Remanent polarization and coercive field: Fig. 1C-a78-002.

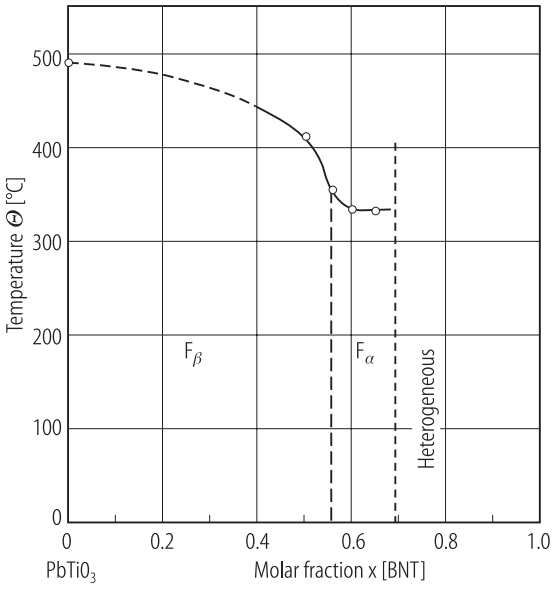

Fig. 1C-a78-001. (1–x)$PbTiO_3$·x (BNT). Θ vs. x [93Tak]. (BNT) = (1/2)(Bi_2O_3·NiO·TiO_2), which is not of a single-phase.

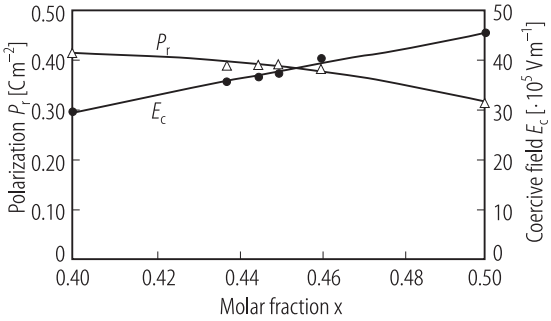

Fig. 1C-a78-002. (1–x)(BNT)·x $PbTiO_3$ (ceramics). P_r, E_c vs. x [94Tak]. Hysteresis loop method (f = 50 Hz, at RT). (BNT) = (1⁄2)(Bi_2O_3·NiO·TiO_2).

References

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94Tak Takenaka, T., Yamada, M., Okuda, T.: Ferroelectrics **154** (1994) 259.