

No. 1C-a76 PbTiO₃–Ba₅Nb₄O₁₅

1b, Ferroelectric transition temperature, dielectric constant and piezoelectricity:

5a, Table 1C-a76-001.

7a

Table 1C-a76-001. (1–x)PbTiO₃·x BaNb_{4/5}O₃. Physical properties of ceramics [69Vis]. (*f* = 1 kHz for κ .)

x	Θ_f [°C]	κ	k_p	d_{31} [·10 ^{–12} CN ^{–1}]	ρ_x [·10 ³ kgm ^{–3}]	ρ_a [·10 ³ kgm ^{–3}]
0.05	460				7.97	7.58
0.10	415	350	0.120	3.7	7.90	7.48
0.15	385	350	0.105	6.3	7.83	7.34
0.20	360	460	0.085	6.0	7.76	7.22
0.25	340	390	0.115	9.7	7.69	7.00
0.30	290	385	0.085	4.7	7.62	6.80
0.35	200	630	0.110	14.7	7.55	6.46
0.40	190	870	0.075	7.0	7.48	6.87
0.45	170				7.41	6.77

Reference

69Vis Viskov, A.S., Venevtsev, Yu.N.: Kristallografiya **14** (1969) 460; Sov. Phys. Crystallogr. (English Transl.) **14** (1969) 379.