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**No. 1C-c56  $\text{PbTiO}_3\text{--PbZrO}_3\text{--Pb}(\text{Mn}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{--Pb}(\text{B}_{1-\alpha}^{\text{I}} \text{B}_{\alpha}^{\text{II}})\text{O}_3$** 


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5	Dielectric and piezoelectric properties: see	78Fes
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$\text{PbTiO}_3\text{--PbZrO}_3\text{--Pb}(\text{Mn}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{--Pb}(\text{B}_{1-\alpha}^{\text{I}} \text{B}_{\alpha}^{\text{II}})\text{O}_3$ :

$\text{B}_{1-\alpha}^{\text{I}} \text{B}_{\alpha}^{\text{II}} = \text{Co}_{1/3}\text{Nb}_{2/3}, \text{Zn}_{1/3}\text{Nb}_{2/3}, \text{Ni}_{1/3}\text{Nb}_{2/3}, \text{Mg}_{1/3}\text{Nb}_{2/3}, \text{Mn}_{1/2}\text{W}_{1/2}, \text{Co}_{1/2}\text{W}_{1/2},$   
 $\text{Zn}_{1/2}\text{W}_{1/2}, \text{Ni}_{1/2}\text{W}_{1/2}, \text{Mg}_{1/2}\text{W}_{1/2};$

$\text{PbTiO}_3\text{--PbZrO}_3\text{--Pb}(\text{Mg}_{1/2}\text{W}_{1/2})\text{O}_3\text{--Pb}(\text{B}_{1-\beta}^{\text{III}} \text{B}_{\beta}^{\text{IV}})\text{O}_3$ :

$\text{B}_{1-\beta}^{\text{III}} \text{B}_{\beta}^{\text{IV}} = \text{Mn}_{1/3}\text{Nb}_{2/3}, \text{Co}_{1/3}\text{Nb}_{2/3}, \text{Zn}_{1/3}\text{Nb}_{2/3}, \text{Ni}_{1/3}\text{Nb}_{2/3}, \text{Li}_{1/4}\text{Nb}_{3/4}, \text{Mn}_{1/2}\text{W}_{1/2},$   
 $\text{Co}_{1/2}\text{W}_{1/2}, \text{Zn}_{1/2}\text{W}_{1/2}, \text{Ni}_{1/2}\text{W}_{1/2}.$

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**Reference**

78Fes    Fesenko, E.G., Dantsiger, A.Ya., Razumovskaya, O.N.: *Izv. Akad. Nauk SSSR, Neorg. Mater.* **14** (1978) 928; *Inorg. Mater. (English Transl.)* **14** (1978) 727.