

JOURNAL OF SOLID STATE CHEMISTRY

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Cover Art. Both $\text{o-Nb}_{12}\text{O}_{29}$ and $\text{Nb}_{22}\text{O}_{54}$ share a common building block, a 4×3 unit of corner-sharing octahedra. In both cases, the Nb atoms are displaced within the oxygen octahedra toward the center of the blocks, forming an apparent antiferroelectric state. The 4×3 block of $\text{Nb}_{22}\text{O}_{54}$ is shown.