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2.2 Electrical conduction The resistivity of aluminum at 25°C has been measured to be $2.72 \times 10^{-8}\ \text{m}$. The thermal coefficient of resistivity of aluminum at 0°C is $4.29 \times 10^{-3}\text{K}^{-1}$. Aluminum has a valency of 3, a density of $2.70\ \text{g cm}^{-3}$, and an atomic mass of 27. a.

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