

The silver and sodium ions are of approximately equal size (the radii are 0.95 and 1.13×10^{-10} m, respectively⁴⁵), but the compressibilities of the silver compounds are only about one-half those of the sodium salts at the same temperature (see table 5). The differences between the ΔV_A values are therefore consistent with the arguments advanced above. However, there is evidence that the fused silver halides do not have 100 % ionic character,^{46, 47} and probably the covalent contribution to the bonding is pressure dependent.⁴⁸ The application of the Rice-Allnatt theory in these circumstances is open to objection. Similar considerations would apply to the fused thallos halides.⁴⁹

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