

Am – P (Americium – Phosphorus)

Crystal structure

Two intermediate phases have been found in this system, the crystallographic properties of which are given in Table 1.

Table 1. Am–P. Crystallographic data of intermediate phases (taken from [Pearson]).

Phase	Structure	Prototype	Lattice parameter [nm]
			<i>a</i>
AmP	cub	NaCl	0.57114
AmP ₃	cub	AuCu ₃	0.4138

Reference

[Pearson] Pearson, W.B.: “Handbook of Lattice Spacings and Structure of Metals and Alloys”, Pergamon Press, New York, (1958), Vol. 1, (1967) Vol. 2