

As – Hf (Arsenic – Hafnium)

Crystal structure

In Table 1 there are collected the crystallographic parameters of intermediate phases.

Table 1. As–Hf. Structure and lattice parameters of intermediate compounds in the As-Hf system.

Phase	Structure	Prototype	Lattice parameters [nm]			Reference
			<i>a</i>	<i>b</i>	<i>c</i>	
As ₂ Hf	ort	Co ₂ Si	0.6771	0.3673	0.8941	[62 Jei]
AsHf	hex	TiAs	0.3768		1.27034	[68 Run]
As ₂ Hf ₃	ort	Sb ₂ S ₃	1.04362	0.36521	1.01465	[68 Run]
As ₃ Hf ₅	ort		2.73884	0.36114	1.23049	[68 Run]
AsHf ₂	ort	PTa ₂	1.53606	1.24802	0.36498	[68 Run]
AsHf ₃	mon	AsTa ₃	1.53898	0.53795	1.53330	[80 Wil]
				$\beta = 90.291^\circ$		
As ₄ Hf ₇	mon	Nb ₇ P ₄	1.6150	0.35912	1.49283	[84 Wil]
				$\beta = 104.24^\circ$		

References

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