

FeSn2 crystal structure

Crystal Structure

Lattice (Conventional)

a	6.61 Å
b	6.61 Å
c	5.33 Å
α	90.00 °
β	90.00 °
γ	90.00 °
Volume	232.89 Å ³

Atomic Positions

Wyckoff	Element	x	y	z
4a	Fe	0	0	3/4
8h	Sn	0.661414	0.161414	0

Symmetry

Crystal System	Tetragonal
Lattice System	Tetragonal
Hall Number	-I 4 2c
International Number	140
Symbol	I4/mcm
Point Group	4/mmm

Number of Atoms	12
Density	8.36 g·cm ⁻³
Dimensionality	3D
Possible Oxidation States	Unknown