

Temperature = 743.0000 K

Fixed pressure = 1.013250E+05 Pa, 1.000000E+00 atm

Component	Ref.Phase	Chem.Pot.	Amount/mol	Mass/kg
Fe		-2.680008E+04	1.732143E+03	9.673500E+01
C		-4.715406E+02	8.658730E+01	1.040000E+00
Si		-1.649198E+05	8.901390E+00	2.500000E-01
Mn		-6.900313E+04	6.370818E+00	3.500000E-01
Ni		-6.255415E+04	2.129835E+00	1.250000E-01
Mo		-8.212809E+04	5.211591E-01	5.000000E-02
Cr		-5.468734E+04	2.788676E+01	1.450000E+00
Total			1.864540E+03	1.000000E+02

Amount compnt	Phase moles	Mole fraction of component within phase		
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		Fe	C	Si
1.5174E+03	BCC_A2	0.9918499	0.0000230	0.0058664
3.4154E+02	CEMENTITE	0.6555259	0.2500000	0.0000000
5.6465E+00	M23C6	0.5784515	0.2068966	0.0000000

		Mn	Ni	Mo
1.5174E+03	BCC_A2	0.0003805	0.0013092	0.0000019
3.4154E+02	CEMENTITE	0.0169557	0.0003520	0.0000173
5.6465E+00	M23C6	0.0004359	0.0040889	0.0907447

		Cr
1.5174E+03	BCC_A2	0.0005691
3.4154E+02	CEMENTITE	0.0771491
5.6465E+00	M23C6	0.1193824

Gibbs Energy = -5.0070853585E+07 J      System Enthalpy = 2.5323309115E+07 J