

TABULKA XII
 Termodynamické vlastnosti kyslíku rozpuštěného v roztavených prvcích [88CHA]
 (data pro Si [94NAR])

Prvek <i>i</i>	$\Delta G^0(R \rightarrow H, x)^{1)}$ (kJ/g-at O)	$\Delta G^0(R \rightarrow H, \text{hm. \%})^{2)}$ (kJ/g-at O)	Obor teplot (K)
Ag	-14,3 + 43,7.10 ⁻³ T	-14,3 + 21,3.10 ⁻³ T	1213 - 1573
Al	-586,0 + 130,0.10 ⁻³ T	-586,0 + 96,0.10 ⁻³ T	1873 - 2100
Bi	-99,7 + 51,5.10 ⁻³ T	-99,7 + 34,6.10 ⁻³ T	700 - 1473
Ca	-609,4 + 115,5.10 ⁻³ T	-609,4 + 84,8.10 ⁻³ T	1273 - 1673
Cd	-142,5 + 47,7.10 ⁻³ T	-142,5 + 25,6.10 ⁻³ T	594 - 831
Co	-91,5 + 34,2.10 ⁻³ T	-91,5 + 6,8.10 ⁻³ T	1770 - 1975
Cs	-311,4 + 119,5.10 ⁻³ T	-311,4 + 98,8.10 ⁻³ T	773 - 973
Ga	-215,8 + 62,3.10 ⁻³ T	-215,8 + 36,3.10 ⁻³ T	1048 - 1473
Ge	-177,0 + 60,5.10 ⁻³ T	-177,0 + 34,8.10 ⁻³ T	1223 - 1373
In	-177,6 + 51,7.10 ⁻³ T	-177,6 + 29,8.10 ⁻³ T	973 - 1223
K	-347,9 + 152,0.10 ⁻³ T	-347,9 + 121,0.10 ⁻³ T	373 - 1000
Li	-563,0 + 147,0.10 ⁻³ T	-563,0 + 102,0.10 ⁻³ T	468 - 1007
Mn	-233,1 + 43,9.10 ⁻³ T	-233,1 + 15,9.10 ⁻³ T	973 - 1873
Na	-371,8 + 130,3.10 ⁻³ T	-371,8 + 95,0.10 ⁻³ T	423 - 1000
Ni	-79,5 - 5,1.10 ⁻³ T	-79,5 - 32,6.10 ⁻³ T	1773 - 1973
Pb	-119,1 + 52,9.10 ⁻³ T	-119,1 + 35,9.10 ⁻³ T	783 - 1373
Sb	-133,8 + 56,4.10 ⁻³ T	-133,8 + 35,0.10 ⁻³ T	973 - 1183
Si	-388,0 + 129,2.10 ⁻³ T	-388,0 + 95,6.10 ⁻³ T	1693 - 1873
Sn	-183,8 + 65,1.10 ⁻³ T	-183,8 + 43,5.10 ⁻³ T	809 - 1515
Te	-91,4 + 81,4.10 ⁻³ T	-91,4 + 60,4.10 ⁻³ T	753 - 823
Ti	-549,0 + 123,4.10 ⁻³ T	-549,0 + 94,2.10 ⁻³ T	1823 - 2073
V	-350,0 + 63,6.10 ⁻³ T	-350,0 + 34,9.10 ⁻³ T	1823 - 2023
Zr	-633,0 + 85,2.10 ⁻³ T	-633,0 + 61,4.10 ⁻³ T	1823 - 2073

¹⁾ $\Delta G^0(R \rightarrow H, x) = RT \ln \gamma$

²⁾ $\Delta G^0(R \rightarrow H, \text{hm. \%}) = RT \ln(\gamma \cdot M_i / 100 \cdot M_O)$

Literatura k tabulce XII

[88CHA] Y.A.Chang, K.Fitzner a M.X.Zhang: Progress Mater. Sci. **32**, 97 (1988).

[94NAR] T.Narushima a kol.: Mater. Trans., JIM, **35**, 522 (1994).