Generalized Creep Behavior

8.26 Creep becomes important at about $0.4T_m$, T_m being the absolute melting temperature of the metal. (The melting temperatures in degrees Celsius are found inside the front cover of the book.)

For Sn, $0.4T_m$ = (0.4)(232 + 273) = 202 K or -71°C (-96°F)

For Mo, $0.4T_m$ = (0.4)(2617 + 273) = 1156 K or 883°C (1621°F)

For Fe, $0.4T_m$ = (0.4)(1538 + 273) = 724 K or 451°C (845°F)

For Au, $0.4T_m$ = (0.4)(1064 + 273) = 535 K or 262°C (504°F)

For Zn, $0.4T_m$ = (0.4)(420 + 273) = 277 K or 4°C (39°F)

For Cr, $0.4T_m$ = (0.4)(1875 + 273) = 859 K or 586°C (1087°F)