

10. HW Assignment 1

- a) We pick a microhardness test such as Knoop or Vickers.
- b) We look on Figure 6.18 and see that Rockwell C of 50 is about 500 on the Brinell hardness scale. The ultimate tensile strength will be $(500 \text{ psi}) \times 500 = 250000 \text{ psi}$, or 250 ksi.