## 

## 4-2

14 Pa
very low stress!!
$\mathrm{Fe}_{3} \mathrm{Be}$

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Please see Fig. 11.22 in Hosford, William R. Mechanical Behavior of Materials. Cambridge England: Cambridge University Press, 2005.
$\mathrm{E}_{\text {aust }}=525 \mathrm{~Pa}$ ?
$\mathrm{E}_{\text {mart }}=175 \mathrm{~Pa}$ ?

## 48)

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Please see Fig. 1 and 8a, b in Young, Jeremy M., and Van
Vliet, Krystyn J. "Predicting In Vivo Failure of
Pseudoelastic NiTi Devices under Low Cycle, High
Amplitude Fatigue." Journal of Biomedical Materials
Research B 72B (2005): 17-26

Experiment to measure how long a superelastic NiTi file could survive rotating/bending fatigue.

SEM micrographs of failed NiTi file show that failure starts from the inside out.
$\qquad$

Fluid shear viscosity as measured by parallel plate Couette experiment:

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Please see http://content.answers.com/main/content/img/McGrawHill/Encyclopedia/images/CE733900FG0010.gif


