

Forming

Module -1: Fundamental concepts relevant to metal forming technology

Lecture -3: Mechanical behavior of crystalline materials-1

Quiz

1. What is the effect of necking during metal forming operation?
2. What is the effect of temperature on tensile strength?
3. What is flow curve? Flows stress?
4. For a material, the average flow stress is found to be equal to $\frac{3}{4}$ of the flow stress at the end of the deformation. What is the value of strain hardening exponent for this material?