

For Temperature between 850 °C to 1200 °C

$$\dot{\epsilon} = 10.4 \sigma^{3.4} \exp\left(\frac{-19600}{T}\right) + \frac{3.5 \times 10^4 \sigma^{1.4} \exp\left(\frac{-19600}{T}\right)}{\left[1 + 274 \int_{t_1}^t \exp\left(\frac{-19600}{T}\right) (T - 1105)^{3.72} dt\right]}$$

Where $\dot{\epsilon}$ is the transverse deformation rate in s^{-1} , σ is transverse stress in MPa, t is the time in s, T is temperature in K, and t_1 is the time when $T = 1123$ K