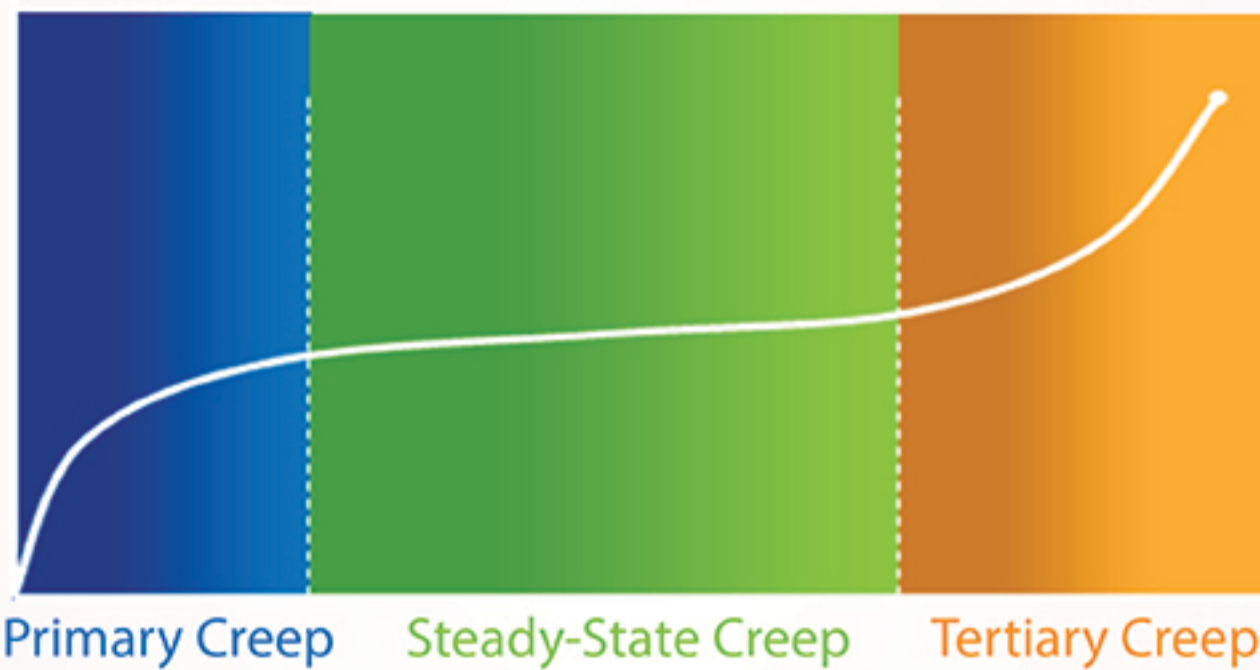


THE THREE STAGES OF CREEP



STAGE
01

Primary Creep

In the initial stage, or primary creep, the strain rate is relatively high, but slows with increasing time.

STAGE
02

Steady-State Creep

This stage is the most understood. The characterized "creep strain rate" typically refers to the rate in this secondary stage. Stress dependence of this rate depends on the creep mechanism.

STAGE
03

Tertiary Creep

The strain rate exponentially increases with stress because of necking phenomena. Fracture always occurs at the tertiary stage. Creep is a very important aspect of material science.