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.

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