

Full Notch Creep Test

FNCT

The OCS Full Notch Creep Test (FNCT) is a widely used method of classifying polyethylene materials in terms of their slow crack growth behaviour under accelerated conditions.

A circumferentially notched body is loaded in a tempered wetting agent with a defined tensile stress, and the time until a break occurs is measured.

Testable Raw Materials

- Polyethylene materials

Features

- 15 sample stations with independent tensile stress adjustment and data acquisition
- Load application through easily adjustable lever weight system
- Precise adjustment of tensile stress through electronic force sensor
- Uniform bath temperature control through extensive bath insulation
- The tensile creep test measuring system (TCT system) enables fully automatic and highly precise measurement of the elongation of a clamped polymer specimen for each test station.
- Exhaust air connections for targeted vapour extraction
- Continuous pH value measurement with adjustable warning and alarm thresholds
- No time limit on test times, time resolution: 1 second (real time)
- Operation via touch panel with data trend as well as optical and acoustic alarm functions
- High chemical resistance of the material used (stainless steel)



Your success is our success.



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