

Dataset collection

MatDB Catalogue of JRC Open Access TMF Test Data Created in the Scope of an ASTM Inter Laboratory Study

Description:

DOI catalogue for the results of tests conducted by the European Commission JRC, under the frame of the Inter Laboratory Study (ILS) on Thermo-mechanical Fatigue (TMF). The primary purpose of this study was to provide a precision and bias statement to be included in the revision of ASTM E-2368, Standard Practice for Strain Controlled Thermo-Mechanical Fatigue Testing.

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Landing page:

<https://doi.org/10.5290/10>

Datasets:

- Thermo-mechanical fatigue test data for IN 718 material for a temperature range of 316 to 677 °C and a mechanical strain range of 1 % [jrc-odin-3100000]
- Thermo-mechanical fatigue test data for IN 718 material for a temperature range of 316 to 677 °C and a mechanical strain range of 1 % (repeat test) [jrc-odin-3100001]
- Thermo-mechanical fatigue test data for IN 718 material for a temperature range of 316 to 677 °C and a mechanical strain range of 1 % (second repeat test) [jrc-odin-3100002]
- Thermo-mechanical fatigue test data for IN 718 material for a temperature range of 316 to 677 °C and a mechanical strain range of 1 % (third repeat test) [jrc-odin-3100003]