JRC Dataset

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)

Description:
Data collection containing the results of the 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.

Contributors:
- De Haan, Frits frits.de-haan@ec.europa.eu
- Ripplinger, Stefan stefan.ripplinger@ec.europa.eu

How to cite:
De Haan, Frits; Ripplinger, Stefan(2016): 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). European Commission, Joint Research Centre (JRC) [Dataset] doi:10.5290/3100001 PID: http://data.europa.eu/89h/jrc-odin-3100001

Keywords:
Elevated temperature material properties

Related resources:
Data access
MatDB XML distribution

https://odin.jrc.ec.europa.eu/alcor/Flex?entity=DOI&_=version=null&_=action=displayXML&_=xmiType=data&&RN5=31 00001

Additional information:
Last Modified: 2017-05-11
Issue date: 2016
Landing page: https://doi.org/10.5290/3100001
Geographic area: European Union
Language: English
Data theme(s): Energy; Science and technology
EuroVoc domain(s): 36 SCIENCE; 64 PRODUCTION, TECHNOLOGY AND RESEARCH; 66 ENERGY
Identifier: http://data.europa.eu/89h/jrc-odin-3100001
Digital Object Identifier: 10.5290/3100001