

JRC Dataset

Small punch tensile/fracture test data for Gr. 91 material at -130 °C and a displacement rate of .5 mm/s

Description:

In the framework of its institutional project on Gen IV nuclear reactors, the JRC-IET performs pre-normative materials qualification research within the work package PreMaQ. The activities focus on evaluation methods like ultrasonic fatigue, neutron diffraction, thermoelectric power measurements, x-ray tomography, small punch creep and fracture tests, and nano-indentation with the aim to establish or prepare international standards. The current data set belongs to a small punch tensile/fracture mechanics test on the ferritic/martensitic steel Grade 91.

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Elevated temperature material properties

Related resources:

Data access

MatDB XML distribution

MatDB XML distribution

https://odin.jrc.ec.europa.eu/alcor/Flex?entity=DOI&p;_version=null&action;=displayXML&p;_xmlType=data&p;_RN5=19 00107

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