

JRC Dataset

Small punch tensile/fracture test data for Gr. 91 material at -142 °C and a displacement rate of .005 mm/s

Description:

In the framework of its institutional project on Gen IV nuclear reactors, the JRC performs pre-normative materials qualification research within the work package PreMaQ. With the aim of establishing or preparing international standards, the evaluation methods on which the activities focus include ultrasonic fatigue, neutron diffraction, thermo-electric power measurements, X-ray tomography, small punch creep and fracture tests, and nano-indentation.

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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 00121

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