

JRC Dataset

Small punch tensile/fracture test data for P92 nt material at -150 °C and a displacement rate of .00833 mm/s

Description:

Small punch tensile and creep data obtained in a round robin exercise for the elaboration of an EN standard on small punch testing. For estimating the tensile properties a series of tests were carried out at room temperature on Gr. 91 steel with different heat treatments. Further tests were performed at varying temperatures between 77K and room temperature to determine the ductile to brittle transition temperature (DBTT). Creep tests were carried out at temperatures in the range 550-650 °C.

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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=27 00027

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