

Creep-to-Rupture of 12Cr- and 14Cr-ODS Steels in Oxygen-Controlled Lead and Air at 650 °C

M. Yurechko, C. Schroer, A. Skrypnik, O. Wedemeyer, and J. Konys

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Motivation



KIT - University of the State of Baden-Wuerttemberg and National Research Center of the Helmholtz Association

14Cr-ODS steel

ested at 325 MPa

The same quota of ductile fracture at ≤375 MPa

0.

curves for the steel in

stagnant Pb and air

35.8

59.0 41.5

Ė _{c.s} %/h

0.0396

0.0165 0.57 76.1

0.0150 3.6

0.0091

0.0002 287.2 2,197.3 70.3

0.0034

the to