

Dataset collection

ODIN Small punch test data on Gr. 91 steel at room temperature and elevated temperature.

Description:

Open access small punch data created by the European Commission JRC. The data is on P91 (Gr. 91) ferritic/martensitic steel for assessing the procedures to estimate the uniaxial tensile strength and yield stress from small punch force-deflection curves.

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Landing page:

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- [Small punch tensile/fracture test data for P91 ar material at 22 °C and a displacement rate of .005 mm/s \(repeat test\) \[jrc-odin-1920001\]](#)
- [Small punch tensile/fracture test data for P91 ar material at 22 °C and a displacement rate of .005 mm/s \(second repeat test\) \[jrc-odin-1920002\]](#)
- [Small punch tensile/fracture test data for P91 ar material at 22 °C and a displacement rate of .005 mm/s \(third repeat test\) \[jrc-odin-1920003\]](#)
- [Small punch tensile/fracture test data for P91 ar material at 300 °C and a displacement rate of .005 mm/s \[jrc-odin-1920004\]](#)
- [Small punch tensile/fracture test data for P91 ar material at 500 °C and a displacement rate of .005 mm/s \[jrc-odin-1920005\]](#)
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- [Small punch tensile/fracture test data for P91 ar material at 500 °C and a displacement rate of .005 mm/s \(second repeat test\) \[jrc-odin-1920007\]](#)
- [Small punch tensile/fracture test data for P91 ar material at 550 °C and a displacement rate of .005 mm/s \[jrc-odin-1920008\]](#)
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- [Small punch tensile/fracture test data for P91 ar material at 575 °C and a displacement rate of .005 mm/s \[jrc-odin-1920011\]](#)
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- [Small punch tensile/fracture test data for P91 ar material at 600 °C and a displacement rate of .005 mm/s \(repeat test\) \[jrc-odin-1920013\]](#)
- [Small punch tensile/fracture test data for P91 ar material at 600 °C and a displacement rate of .005 mm/s \(second repeat test\) \[jrc-odin-1920014\]](#)
- [Small punch tensile/fracture test data for P91 ar material at 625 °C and a displacement rate of .005 mm/s \[jrc-odin-1920015\]](#)
- [Small punch tensile/fracture test data for P91 ar material at 650 °C and a displacement rate of .005 mm/s \[jrc-odin-1920016\]](#)
- [Small punch tensile/fracture test data for P91 ar material at 650 °C and a displacement rate of .005 mm/s \(repeat test\) \[jrc-odin-1920017\]](#)
- [Small punch tensile/fracture test data for P91 ar material at 650 °C and a displacement rate of .005 mm/s \(second repeat test\) \[jrc-odin-1920018\]](#)
- [Small punch tensile/fracture test data for P91 ar material at 22 °C and a displacement rate of .005 mm/s \(fourth repeat test\) \[jrc-odin-1920019\]](#)

- Small punch tensile/fracture test data for P91 ar material at 22 °C and a displacement rate of .005 mm/s (fifth repeat test) [jrc-odin-1920020]
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- Small punch tensile/fracture test data for P91 material at 24 °C and a displacement rate of .005 mm/s (third repeat test) [jrc-odin-1920038]