

Dataset collection

Catalog of JRC Open Access uniaxial creep and small punch test data for the same P91 material used in the INTEGRITY FP5 Growth project

Description:

The data in this catalog were created during two consecutive PhDs investigating the viability of the small punch test to determine the creep, tensile, and fracture properties of P91 steel. The work was undertaken in support of the development and validation of the Code of Practice for Small Punch Testing delivered by CEN Workshop 21.

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Landing page:

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Datasets:

- Small punch creep test data for P91 material at 600 °C and a load of 240 N [jrc-odin-400001]
- Small punch creep test data for P91 material at 600 °C and a load of 250 N [jrc-odin-400002]
- Small punch creep test data for P91 material at 600 °C and a load of 280 N [jrc-odin-400003]
- Small punch creep test data for P91 material at 600 °C and a load of 280 N (repeat test) [jrc-odin-400004]
- Small punch creep test data for P91 wm material at 600 °C and a load of 217 N [jrc-odin-400005]
- Small punch creep test data for P91 wm material at 600 °C and a load of 240 N [jrc-odin-400006]
- Small punch creep test data for P91 wm material at 600 °C and a load of 250 N [jrc-odin-400007]
- Small punch creep test data for P91 wm material at 600 °C and a load of 250 N (repeat test) [jrc-odin-400008]
- Small punch creep test data for P91 material at 600 °C and a load of 240 N (repeat test) [jrc-odin-400009]
- Small punch creep test data for P91 material at 600 °C and a load of 240 N (second repeat test) [jrc-odin-400010]
- Small punch creep test data for P91 material at 600 °C and a load of 250 N (repeat test) [jrc-odin-400011]
- Small punch creep test data for P91 material at 600 °C and a load of 260 N [jrc-odin-400012]
- Small punch creep test data for P91 material at 600 °C and a load of 280 N (second repeat test) [jrc-odin-400013]
- Small punch creep test data for P91 material at 600 °C and a load of 280 N (third repeat test) [jrc-odin-400014]
- Small punch creep test data for P91 haz_cg material at 600 °C and a load of 189 N [jrc-odin-400015]
- Small punch creep test data for P91 haz_cg material at 600 °C and a load of 217 N [jrc-odin-400016]
- Small punch creep test data for P91 haz_cg material at 600 °C and a load of 250 N [jrc-odin-400017]
- Small punch creep test data for P91 haz_fg material at 600 °C and a load of 189 N [jrc-odin-400018]
- Small punch creep test data for P91 haz_fg material at 600 °C and a load of 217 N [jrc-odin-400019]
- Small punch creep test data for P91 haz_fg material at 600 °C and a load of 240 N [jrc-odin-400020]
- Small punch creep test data for P91 haz_fg material at 600 °C and a load of 250 N [jrc-odin-400021]
- Small punch creep test data for P91 haz_fg material at 600 °C and a load of 217 N (repeat test) [jrc-odin-400022]
- Small punch creep test data for P91 haz_fg material at 600 °C and a load of 217 N (second repeat test) [jrc-odin-400023]
- Small punch creep test data for P91 haz_fg material at 600 °C and a load of 240 N (repeat test) [jrc-odin-400024]
- Small punch creep test data for P91 haz_fg material at 600 °C and a load of 250 N (repeat test) [jrc-odin-400025]
- Small punch tensile/fracture test data for P91 material at 21 °C and a displacement rate of .003 mm/s [jrc-odin-400026]
- Small punch tensile/fracture test data for P91 material and a displacement rate of .003 mm/s [jrc-odin-400027]
- Small punch tensile/fracture test data for P91 material at -10 °C and a displacement rate of .003 mm/s [jrc-odin-400028]
- Small punch tensile/fracture test data for P91 material at -30 °C and a displacement rate of .003 mm/s [jrc-odin-400029]

- Small punch tensile/fracture test data for P91 material at -158 °C and a displacement rate of .0055 mm/s (eighth repeat test) [jrc-odin-410041]
- Small punch tensile/fracture test data for P91 material at -158 °C and a displacement rate of .0055 mm/s (ninth repeat test) [jrc-odin-410042]
- Small punch tensile/fracture test data for P91 material at -158 °C and a displacement rate of .0055 mm/s (tenth repeat test) [jrc-odin-410043]
- Small punch tensile/fracture test data for P91 material at -168 °C and a displacement rate of .0055 mm/s (second repeat test) [jrc-odin-410044]
- Small punch tensile/fracture test data for P91 material at -196 °C and a displacement rate of .0055 mm/s (fifth repeat test) [jrc-odin-410045]
- Small punch tensile/fracture test data for P91 material at -196 °C and a displacement rate of .0055 mm/s (sixth repeat test) [jrc-odin-410046]
- Small punch tensile/fracture test data for P91 material at -196 °C and a displacement rate of .0055 mm/s (seventh repeat test) [jrc-odin-410047]
- Small punch creep test data for P91 material at 600 °C and a load of 314 N [jrc-odin-410048]
- Small punch creep test data for P91 material at 600 °C and a load of 314 N (repeat test) [jrc-odin-410049]
- Small punch creep test data for P91 material at 600 °C and a load of 309 N [jrc-odin-410050]
- Small punch creep test data for P91 material at 600 °C and a load of 294 N [jrc-odin-410051]
- Small punch creep test data for P91 material at 600 °C and a load of 294 N (repeat test) [jrc-odin-410052]
- Small punch creep test data for P91 material at 600 °C and a load of 289 N [jrc-odin-410053]
- Small punch creep test data for P91 material at 600 °C and a load of 284 N [jrc-odin-410054]
- Small punch creep test data for P91 material at 600 °C and a load of 279 N [jrc-odin-410055]
- Small punch creep test data for P91 material at 600 °C and a load of 314 N (second repeat test) [jrc-odin-410056]
- Small punch creep test data for P91 material at 600 °C and a load of 294 N (second repeat test) [jrc-odin-410057]
- Small punch creep test data for P91 material at 600 °C and a load of 279 N (repeat test) [jrc-odin-410058]
- Small punch creep test data for P91 material at 600 °C and a load of 314 N (third repeat test) [jrc-odin-410059]
- Small punch creep test data for P91 material at 600 °C and a load of 294 N (third repeat test) [jrc-odin-410060]
- Small punch creep test data for P91 material at 600 °C and a load of 284 N (repeat test) [jrc-odin-410061]
- Small punch creep test data for P91 material at 600 °C and a load of 279 N (second repeat test) [jrc-odin-410062]
- Small punch creep test data for P91 material at 600 °C and a load of 264 N [jrc-odin-410063]
- Small punch creep test data for P91 material at 600 °C and a load of 245 N [jrc-odin-410064]
- Small punch creep test data for P91 material at 600 °C and a load of 314 N (fourth repeat test) [jrc-odin-410065]
- Small punch creep test data for P91 material at 600 °C and a load of 305 N [jrc-odin-410066]
- Small punch creep test data for P91 material at 600 °C and a load of 294 N (fourth repeat test) [jrc-odin-410067]
- Small punch creep test data for P91 material at 600 °C and a load of 284 N (second repeat test) [jrc-odin-410068]
- Small punch creep test data for P91 material at 600 °C and a load of 279 N (third repeat test) [jrc-odin-410069]
- Small punch creep test data for P91 material at 600 °C and a load of 264 N (repeat test) [jrc-odin-410070]