

Based on Gleeble 3800 plastometer plastometric test results, the stress-strain flow curves graphs regarding the 0.5–15 s<sup>-1</sup> strain rates range and 600–1200 °C temperature range were plotted. To construct each curve, 3 tests were carried out. A total of 30 tests were carried out. The flow curves are shown in Figures S1–S4.

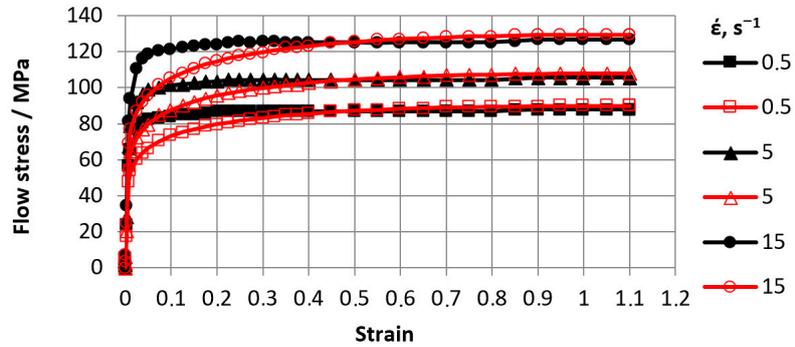


Figure S1. Material flow curves obtained at 600 °C: solid markers—indicate the experimental data; transparent markers—indicate the approximation results.

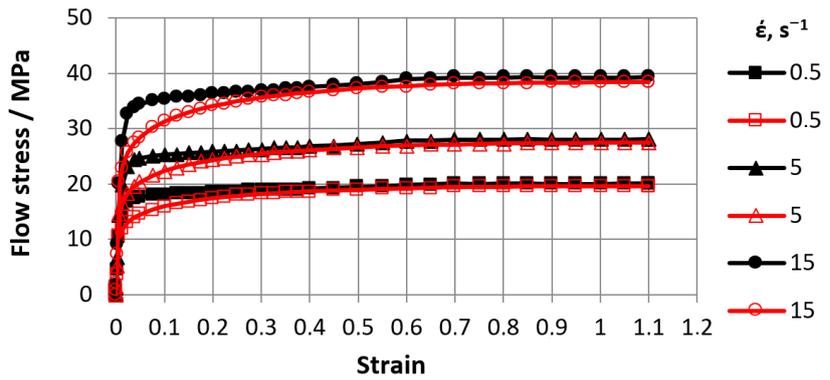


Figure S2. Material flow curves obtained at 800 °C: solid markers—indicate the experimental data; transparent markers—indicate the approximation results.

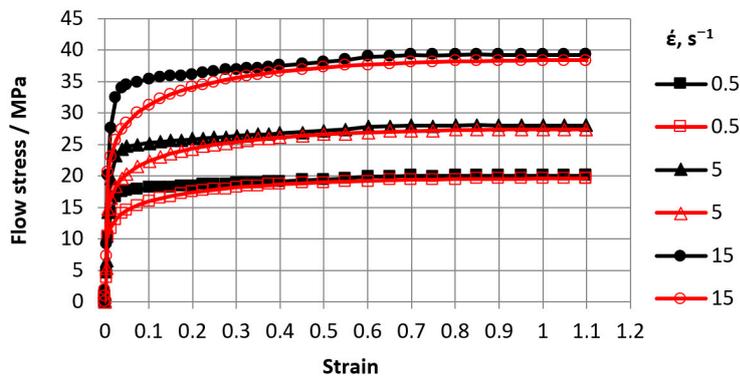
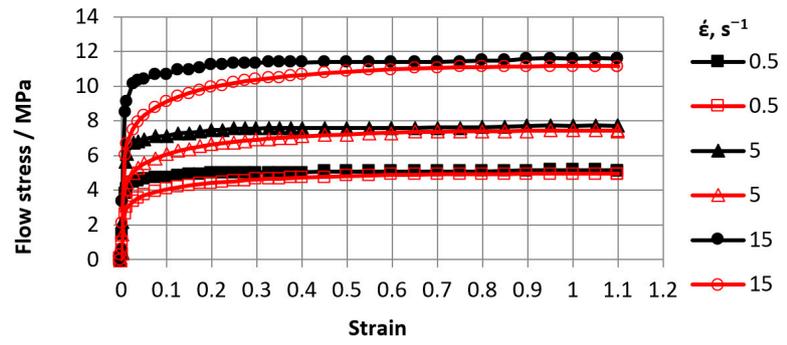


Figure S3. Material flow curves obtained at 1000 °C: solid markers—indicate the experimental data; transparent markers—indicate the approximation results.



**Figure S4.** Material flow curves obtained at 1200 °C: solid markers—indicate the experimental data; transparent markers—indicate the approximation results.