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Mechanical response and dynamic deformation mechanisms of closed-cell aluminium alloy foams under dynamic loading

M.A. Islam , A.D. Brown , P.J. Hazell , M.A. Kader ,
J.P. Escobedo , M. Saadatfar , S. Xu , D. Ruan , M. Turner

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Highlights

- A clear loading-rate sensitivity has been observed in a stabilized aluminium foam
- Fit parameters for an isothermal plasticity and compaction constitutive model have been derived
- Mechanisms governing the deformation in dynamic loading differed from quasi-static loading

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