

CCTM

13/04

Microstructural characterisation of spray formed M2 high-speed steel after hot rolling at several reduction rates

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Samples of spray formed M2 high-speed steel were hot rolled at 50 % and 70 % reduction rates. The hot rolling was done at 1150 °C with sample reheating between steps. The samples were characterised by optical microscopy, scanning electron microscopy and x-ray diffraction. The obtained results were compared with commercial and as fabricated samples. The results are presented and discussed in terms of microstructural refinement, size and carbides distribution.