

Accepted Manuscript

Strain-induced ferrite formation and its effect on mechanical properties of a dual phase steel produced using laboratory simulated strip casting

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PII: S0925-8388(17)32026-1

DOI: [10.1016/j.jallcom.2017.06.050](https://doi.org/10.1016/j.jallcom.2017.06.050)

Reference: JALCOM 42118

To appear in: *Journal of Alloys and Compounds*

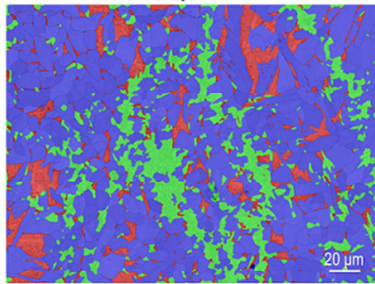
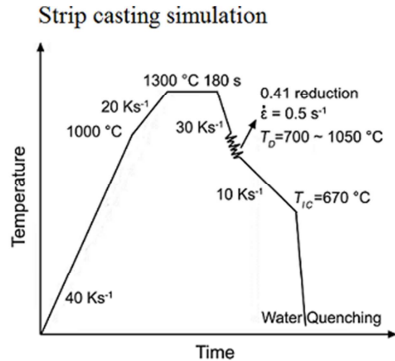
Received Date: 20 March 2017

Revised Date: 18 May 2017

Accepted Date: 5 June 2017

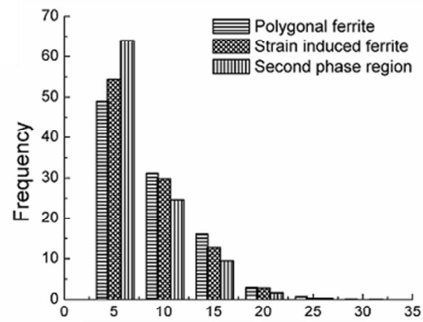
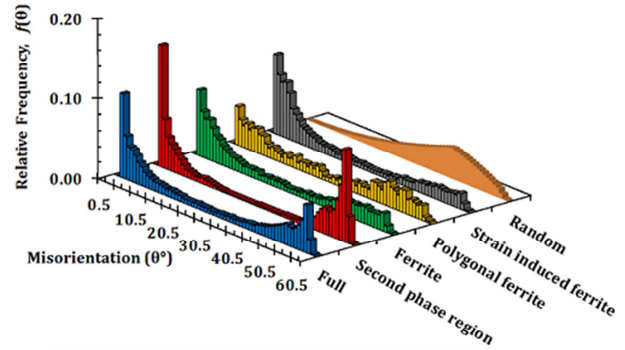
Please cite this article as: Z.P. Xiong, A.A. Saleh, A.G. Kostryzhev, E.V. Pereloma, Strain-induced ferrite formation and its effect on mechanical properties of a dual phase steel produced using laboratory simulated strip casting, *Journal of Alloys and Compounds* (2017), doi: 10.1016/j.jallcom.2017.06.050.

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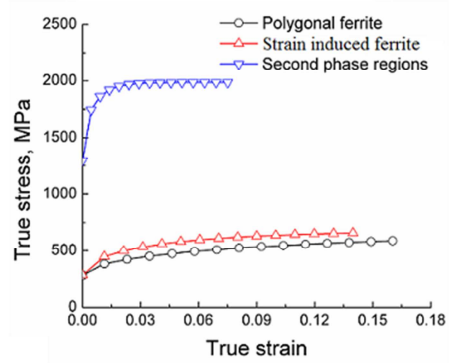


750 °C EBSD segment

Second phase regions are red;
Polygonal ferrite is blue;
Strain-induced ferrite is green.



Deviation angle from Kurdjumov-Sachs orientation relationship, °



Modified iso-work modelling

AC

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