

**The Effects of Super-Fast Heating Rate and Holding Time on the
Microstructure and Properties of DP Fe-0.16C-1.4Mn
Sheet Steel**

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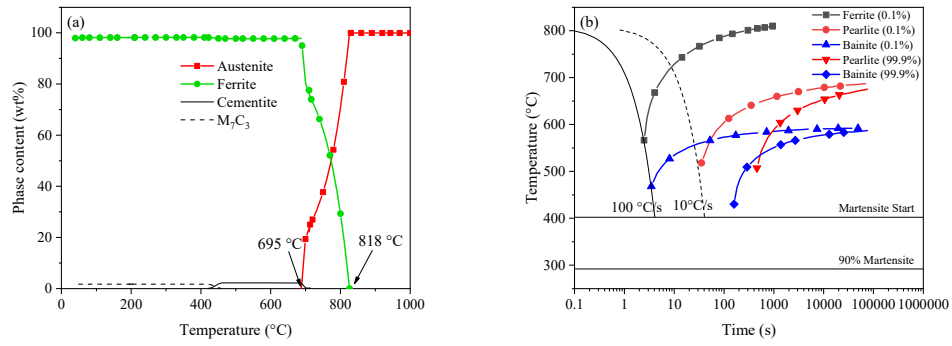


Figure S1. (a) Equilibrium phase diagram and (b) CCT diagram of Fe-0.16C-1.4Mn calculated using JMatProv 7.0.

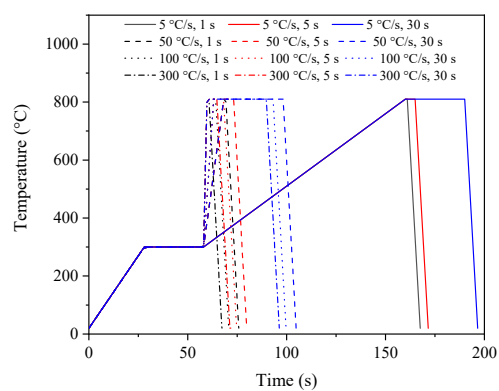


Figure S2. Schematic representation of the different heat treatments applied to the Fe-0.16C-1.4Mn steel.

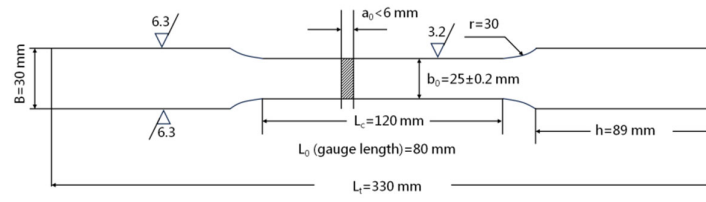


Figure S3. JIS-13A mechanical tensile sample specification

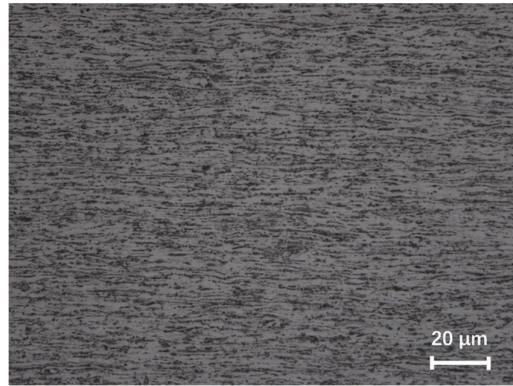


Figure S4. Initial ferrite and pearlite structure of Fe-0.16C-1.4Mn after 75% cold rolling, showing gray ferrite and black pearlite clusters.