



Microstructure forming processes of the 26Mn-3Si-3Al-Nb-Ti steel during hot-working conditions

<http://www.firstlight.cn> 2010-05-12

In the last few years attention of automotive industry is focused on modern high-strength steels, which allow to decrease the weight of different elements of vehicles, what is directly connected with lowering fuel consumption and limiting of harmful exhaust gas emission. Presently, the most advanced steels predicted to be used for the most challenging car components with a complex shape and absorbing energy in crash events are high-manganese austenitic TRIP/TWIP steels [1-6].

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