Austenite Reversion

A particular literature has reported that austenitic reversion did not occur on 18Ni 350 grade maraging steel samples aged below 500C. A sample was aged at 430C for 64 hours and observed no signs of austenitic reversion.

In another reviewed literature, the study focused on the effects of austenitic reversion. The conclusion drawn from this journal paper was that reverted austenite actually decreased the yield strength and ultimate tensile strength.

References

1 Reverted austenite during aging in 18Ni(350) maraging steel

2 Effects of austenite reversion during overageing on the mechanical properties of 18 Ni (350) maraging steel

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