



The influence of some thermal treatment parameters on structure and microhardness of some titanium alloys

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Among ($\alpha+\beta$) titanium alloys, the Ti-Al- β -stabilizer alloys are largely used. The ($\alpha+\beta$) titanium alloys are used in either annealed state or solution-treated and aged state. The most important technological parameters of solution-treating and aging are: heating rates, temperature and time of solution treating and aging, and quenching rates. This paper presents the experimental results concerning on the influence of solution-treating temperature and cooling rate after solution-treating on the morphology, size and shape of α phase and α/β ratio.