

RECONDITIONING BY WELDING OF MAGNESIUM ALLOY RZ5

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ABSTRACT

This paper contains the establishment of the reshuffle technology by the process of welding the parts cast of magnesium RZ5. These alloys are used frequently in the automotive industry. In the first part of the paper there are presented the performances, the influences of the main alloying elements and the welding behaviour of the magnesium alloys. Furthermore it is presented the experimental program and the un-destructive and destructive control of the submissions. The paper ends up by presenting the final conclusions.

KEYWORDS: magnesium alloys, microstructure analysis, TIG

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