

The study of surface properties in magnesium alloy

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Alloy AZ91 is the most favored magnesium alloy, being used in approximately 90% of all magnesium cast products. It has excellent castability, and sound room-temperature mechanical properties, and in its high-purity form (AZ91E) shows a good corrosion resistance. However, the range of applications for this alloy is limited by the low strength and poor creep resistance at temperatures in excess of 120°C, which makes it unsuitable for many of the components in automobile engines. this paper, we study of surface properties in magnesium alloy(AZ91, AZ31 etc).