



Micro-forming of Al-Si foil

<http://www.firstlight.cn> 2010-06-12

They say that micro-forming of the crystal alloy is difficult, because the grain boundary makes the formed-surface worse. In the micro-forming, the grain size becomes larger than the size of the die. The metal could not be formed into the die-shape. Therefore, the metallic glass has been used for the micro-forming. The metallic glass could be formed into the die shape, and the surface of the formed part became smooth [1-4]. In the micro-forming of the metallic glass, the forming was operated at the temperature higher than glass temperature T_g . The micro-forming using the conventional alloy has not been investigated. However, the crystal alloys have the advantages, i.e. at the point of the cost and the mechanical properties.

[存档文本](#)