

Sprue design and its effect on the castability of non-precious alloys

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The purpose of this study was to investigate the castability of three different sprue designs to determine which, if any, could be used to produce more complete castings with two Ni-Cr selected (4all® and Pices plus). This study used mesh patterns were used in this study to produce casting. Fifteen of each casting alloys were produced using three different sprue designs according to a modification of Whitlock's mesh design. The total number of completely cast squares were counted, verified and recorded. Data analysis using one-way ANOVA indicated that there was no statistically difference between groups of sprue design ($P>0.05$) and two types of non-precious alloys. The conclusion was that three kinds of sprue designs has no effects to castability of two types of non-precious alloys

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