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عنوان مقاله:
Introducing a New Small-Specimen Method to Evaluate the Creep Properties of Al2024-T851

محل انتشار:
کنفرانس دو سالانه بین المللی مکانیک جامدات تجربی (سال: 1394)

تعداد صفحات اصل مقاله: 2

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خلاصه مقاله:
In the present research, a small-specimen method for evaluating the creep properties of AL2024-T851 has been developed as Fillet Punch Creep Test (FPCT). Compared with other miniaturized test techniques, this new method has some advantages. It does not change the surface of contact during the loading period and not affects the test results by friction when compared with the Small Punch Creep test. Also this new method has the ability to depict three stages of creep deformation where other methods like indentation creep test and shear punch creep test cannot predict it. The Larson-Miller parameter that obtained by using FPCT, shows that the proposed method has acceptable .accuracy in evaluating the creep properties

کلمات کلیدی:
Creep; Small specimen creep testing Methods; Fillet Punch Creep test; Al2024 alloy

لینک ثابت مقاله در پایگاه سیویلیکا:
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