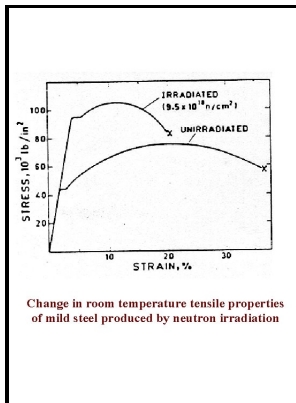


Effect of neutron irradiation and cold work on the strain ageing behaviour of Zircaloy-2

Australian Atomic Energy Commission, Research Establishment - The irradiation creep and growth phenomena



Description: -

-
Osteopathic physicians -- Washington (State) -- Statistics.
Physicians -- Washington (State) -- Statistics.
Travel & holiday guides
Finland
Aggregates (Building materials) -- Recycling -- Congresses
Concrete -- Recycling -- Congresses
Fast neutrons.
Zircaloy-2 -- Effect of radiation on effect of neutron irradiation and cold work on the strain ageing behaviour of Zircaloy-2
-
AAEC/TM 491 effect of neutron irradiation and cold work on the strain ageing behaviour of Zircaloy-2
Notes: Bibliography: p. 9-10.
This edition was published in 1968



Filesize: 39.49 MB

Tags: #THE #ANNEALING #OF #IRRADIATION #DAMAGE #IN #ZIRCALOY

Mechanism

The dimensional changes in 3 directions were measured, and a small volume increase 0. It is found that the generation of the oxide peaks is influenced by the variation of temperature and fast neutron flux along the tube.

Mechanism

Specimens machined in the form of circular rings directly from the nuclear reactor pressure tubes and tested in a ring-tension test-setup offer great simplicity in evaluating the transverse mechanical properties of the as-manufactured as well as those of the service-exposed tubes. Papazoglou, Eds, Americal Society for Testing and Materials, West Conshohocken, PA, 1979, 230-237.

IRRADIATION EFFECTS ON ZR

Considerable recovery during irradiation at the elevated temperatures was suggested by the properties reaching constant values at fairly low flux levels.

IRRADIATION EFFECTS ON ZR

These pressure tubes were annealed after final cold work. The necking of the gauge-length results in significant reduction in cross-section and the interface contact condition breaks and the necked-region now starts deforming independently.

Related Books

- [Chita - A Memory Of Last Island](#)
- [Bin yu he bu yu](#)
- [Ten years of animal production and range research in Botswana, 1980.](#)
- [This divine classroom - earth school and the psychology of the soul](#)
- [Shevuyim bi- Levanon - ha-emet 'al milhemet Levanon ha-sheniyah](#)