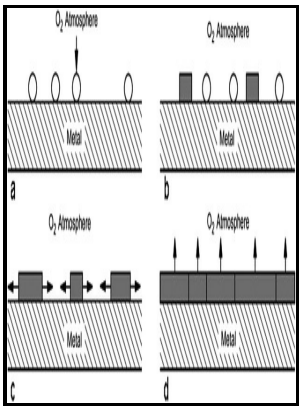
High temperature corrosion of aerospace alloys

AGARD - High Temperature Alloys



Description: -
-High temperature corrosion of aerospace alloys
-
Biblioteka Nasleđe (Belgrade, Serbia)
Biblioteka Nasleđe
AGARDograph -- no.200High temperature corrosion of aerospace alloys
Notes: ... sponsored by the Structures and Materials Panel of AGARD.
This edition was published in 1975

Filesize: 35.79 MB

Tags: #High #temperature #corrosion #of #engineering #alloys #(Book)

Leading High

In many industrial processes, heat is generated by combustion, such as mixing air with natural gas.

High temperature corrosion of engineering alloys (Book)

Hydrogen would form hydrides in case of tantalum, niobium, titanium, zirconium and hafnium and cause hydrogen embrittlement in superalloys. A combined alkali-metal content in the raw gas stream exiting the fluid-bed vessel will probably be in excess of 1 ppM and possibly as high as 10 ppM. Nitridation Metals are susceptible to nitridation when exposed to ammonia-bearing or nitrogen-based environments at elevated temperatures.

High Temp, Corrosion Resistant Alloys from National Electronic Alloys

Oxidation Oxidation is the most important high-temperature corrosion reaction and is often present even when other forms of corrosion dominate.

High Temperature Alloys

Stainless Steel Alloys Aerospace and defense is because of their high-temperature strength, toughness, corrosion resistance, and weight. These requirements are often conflicting, and a compromise is required for alloy design.

High Temperature Alloys

Failure of these components can be catastrophic with the rupture releasing large volumes of combustible gas. This type of corrosion is usually connected to temperatures at several hundred degrees.

Related Books

- Changing images of the family
- Hou fei ci dian
- Star/cross - an entrance meditation
- John Milton and the English Revolution - a study in the sociology of literature /Andrew Milner.. --
- Visual problems of space travel - report of Working Group V, Armed Forces-NRC Committee on Vision.