航空学报
ACTA AERONAUTICA ET ASTRONAUTICA SINICA
ISSN 1000-6893
CN 11-1929/V

航空学报 » 1995, Vol. 16 » Issue (6) :671-675 DOI:

化学镀Ni-P合金涂层及其耐磨性

孙希桐[1], 臧鑫士[1], 翟金坤[1], 杨勇[2]

1. 北京航空航天大学一系,北京,100083;2. 成都飞机制造公司,成都,610091

ELECTROLESS Ni-P ALLOY PLATINGS AND THEIR WEAR RESISTANCE

Sun Xitong[1], Zang Xinshi[1], Zhai Jinkun[1], Yang Yong[2]

1. Chendu Aircraft Building Company, Chengdu,610091;2. Depar tment 1 of Beijing Univer sity of Aeronautics and Astronautics, Beijing, 100083

摘要 | 参考文献 | 相关文章

Download: PDF (263KB) HTML 0KB Export: BibTeX or EndNote (RIS) Supporting Info

摘要 对化学镀 Ni- P的硬度和耐磨性的关系进行了研究。低温长时加热可以获得高硬度 ,继续保温后其值不变。高温加热硬度达最大硬度以后保温硬度降低。不同温度处理其最大值相同 ,但耐磨性不同 ,高温处理优于低温处理。光电子能谱分析表明镀层表面富磷

关键词： 化学镀 硬度 耐磨损性

Abstract： The relationship of hardness and wear resistance of electroless NiP alloy plating was studied. High hardness of plating could be obtained at low temperature for a long term, and was not changed after attained maximum. Hardness was decreased after maximum by high temperature heating. The maximum hardness was the same attained by heat treatment at different temperatures, the wear resistance was different, however,so it was better treated at higher tmeperatures. X ray photoelectron spectroscopic analysis showed that the phosphorus content on the surface was much more than that at the substrate of NiP plating.

Keywords： chemistry plating hardness wear resistance.

Received 1993-12-10; published 1995-12-25

Service
把本文推荐给朋友
加入我的书架
加入引用管理器
Email Alert
RSS
作者相关文章
孙希桐
臧鑫士
翟金坤
杨勇

引用本文:

孙希桐;臧鑫士;翟金坤;杨勇. 化学镀Ni-P合金涂层及其耐磨性[J]. 航空学报, 1995, 16(6): 671-675.

Sun Xitong;Zang Xinshi;Zhai Jinkun;Yang Yong. ELECTROLESS Ni-P ALLOY PLATINGS AND THEIR WEAR RESISTANCE[J]. Acta Aeronautica et Astronautica Sinica, 1995, 16(6): 671-675.