Hi-Performance Alloy Series Technical Data

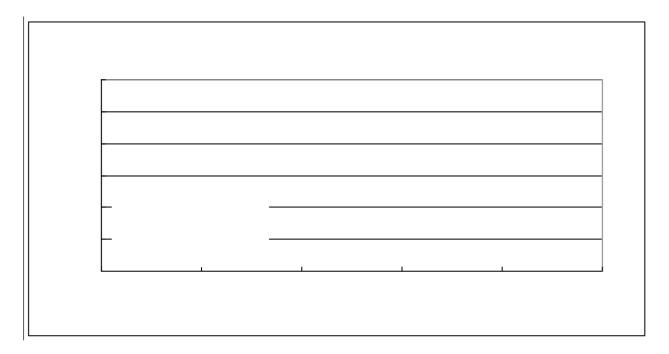
Hyper Titanium Copper (C1990HP)

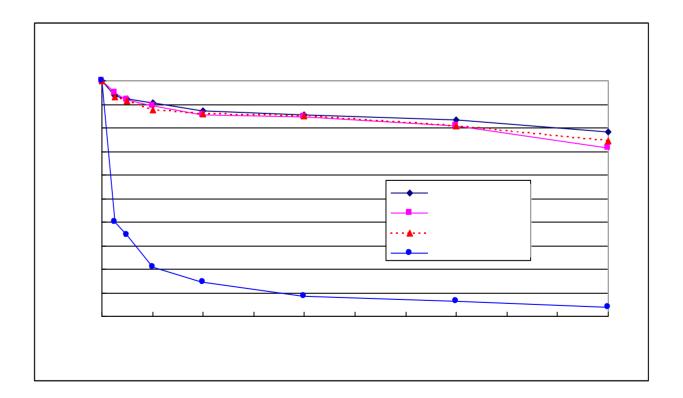
1.Introduction

JX Nippon Mining & Metals has been supplying numbers of copper alloys. Recently, NM $\,$

8. Stress Relaxation Resistance

For connector system application, it becomes very important to maintain contact force over long period at elevated temperature. Fig.3 shows data of stress relaxation test to evaluate materials such ability. C1990HP maintains 95% of initial load for 1,000hours at 150 . It is apparent that C1990HP gives much better stress relaxation resistance than beryllium copper .





S-

S-S curve (temper , longitude to rolling)

S-S curve (temper