
Technical Data

High Performance Copper Alloy

NKC4419

UNS Alloy No. C64800



1 Introduction

NKC4419

5 Mechanical properties

Table 3 Mechanical Properties of NKC4419

Temper	Tensile strength MPa	0.2% yield strength MPa	Elongation %	Hv
1/4H	600 (520 650)	480 (370 500)	17 (min.10)	180 (160 210)
H	670 (590 720)	650 (570 700)	8 (min.2.0)	200 (180

	Good way	Bad way
Surface appearance		

Cross section

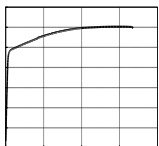
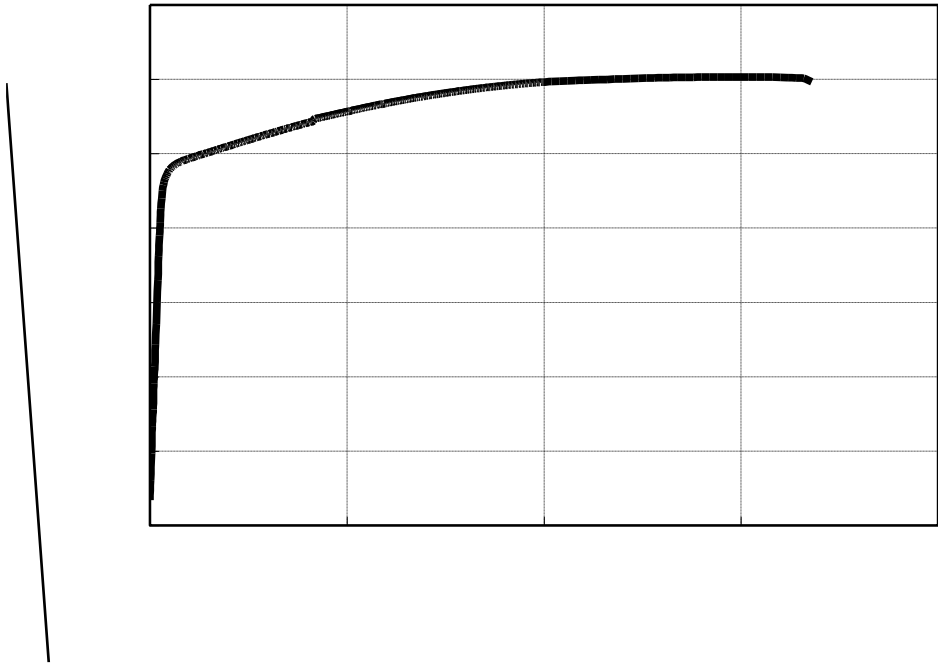
Fig.3 Bend formability variation of NKC4419-H in case changing thickness of specimen

7 Stress relaxation resistance

Stress remaining(%)

8 Stress – Strain curve

Fig.5 show the Stress-Strain curves for NKC4419-1/4H.



Further Information

JX Metals Corporation
Functional Materials Division
10-4, Toranomom 2-chome, Minato-ku, Tokyo 105-8417 JAPAN
Phone +81-3-6433-6000

Ver.4.2