

MONEL K 500

UNS N05500

Characteristics.

- Nickel-copper alloy, adding aluminum and titanium.
- It has excellent corrosion resistance and further higher hardness and strength compared to Monel 400.
- Its melting range is 2400-2460 ° F. It is resistant to spark and is nonmagnetic to -200 ° F.
- Corrosion resistant, except when in the aged condition, as it tends in various environments to stress cracking corrosion.
- Excellent mechanical properties from subzero temperatures up to 480 ° C.
- Used in elevators and safety valves in the oil and gas production, blades and scrapers for medical, industry oil wells, shafts and impellers for marine service, etc.

Shape or Presentation

- Roller
- Bar
- Others

Chemical Composition %

Ni	Cu	Al	Ti	C
63.0 – 70.0	Balance	2.30 – 3.15	0.35 – 0.85	0.25 max
Mn	Fe	S	Si	
1.5 max	2.0 max	0.01 max	0.50 max	

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