



90 Nimonic 80A Monel K500 Material

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Qingsen
- Model Number: Monel K-500
- Minimum Order Quantity: 1-2 ton
- Price: negotiable
- Packaging Details: carton box
- Delivery Time: 15-20 days
- Payment Terms: Western Union, MoneyGram, T/T



Product Specification

- Type: Nickel Bar
- Grade: Nickel, Monel/Inconel/Hastelloy/Nickel Alloy
- Duplex: 2205, 2507, 2304
- Certificate: ISO9001
- Powder Or Not: Not Powder
- Resistance ($\mu\Omega\cdot m$): 1.5
- Surface: Bright
- Density: 8.83 G/cm³
- Highlight: 80A monel k500 material,
MP35N monel k500 material,
R30035 monel k500

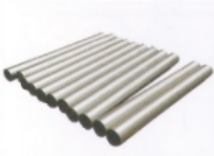
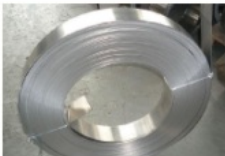
Product Description

90 Nimonic 80A Monel K-500 R-405 2.4999 UNS R30035 MP35N Nickel Alloy Steel Round Bar

Product Name	Ton Ferronickel Nichrome Rod Invar Superalloy Monel Incoloy Ni80cr20 Inconel 625 Steel Nickel Alloy Round Bar
Type	Cold drawn, Hot rolled, Forged,
Shape	Round
Standard	GB,AISI,ASTM,DIN,EN,JIS
Grade	Stainless steel 304 / 304L / 310S / 316L / 316Ti / 316LN / 317L / 904L / 2205 / 2507 / 32760 / 253MA / 254SMo / XM-19 / S31803 / S32750 / S32205 / F50 / F60 / F55 / F60 / F61 / F65 etc
	Monel 400 / Monel K-500
	Inconel 600 / Inconel 601 / Inconel 625 / Inconel 617 / Inconel 690 / Inconel 718 / Inconel X-750
	Incoloy A-286 / Incoloy 800 / Incoloy 800H / Incoloy 800HT
	Incoloy 825 / Incoloy 901 / Incoloy 925 / Incoloy 926
	Nimonic 75 / Nimonic 80A / Nimonic 90 / Nimonic 105 / Nimonic C263 / L-605
	Hastelloy B / Hastelloy B-2 / Hastelloy B-3 / Hastelloy C / Hastelloy C-276 / Hastelloy C-22
	Hastelloy C-4 / Hastelloy C-2000 / Hastelloy G-35 / Hastelloy X / Hastelloy N
Diameter	6mm - 600mm
Finish	Bright, Pickling, Black, Polished
Packing	Wooden box, Waterproof polybag
Inspection	TUV,BV,ABS,LR and so on
Application	Construction, shipbuilding, Chemical, Pharmaceutical & Bio-Medical, Petrochemical & Refinery, Environmental, Food Processing, Aviation, Chemical Fertilizer, Sewage Disposal, Desalination, Waste Incineration etc.
Processing Service	Machining : Turning / Milling / Planing / Drilling / Boring / Grinding / Gear Cutting / CNC Machining
	Deformation processing : Bending / Cutting / Rolling / Stamping
	Forged
Sample	Free

Chemical Composition							
Grade	Ni%	Cu%	Fe%	Mn%	C%	Si%	S%
Monel 400	Min 63	28-34	Max 2.5	Max 2.0	Max 0.30	Max 0.50	Max 0.024
Monel 400 International Brand							
	USA	GE				UK	FR
	UNS	SEW VDIUV				BS	AFNOR
Monel 400	N04400	W.Nr.2.4360 NiCu30Fe				NA 12	Nu 30
Physical Properties							
Grade		Density			Melting Point		
Monel 400		8.83 g/cm3			1300 -1390		
Mechanical Properties							
Alloy	Tensile Strength (Rm N/mm2)		Yield strength (RP0.2N/mm2)		Elongation(A5%)		HB
Monel 400	480		170		35		≥331
Production Standard							
	Bar	Forging	Pipe	Sheet/Strip	Welding Wire		
Standard	ASTM B164	ASTM B564	ASTM B165	ASTM B127	ERNiCu-7		

➔ Monel K-500(UNS N05500)

Monel K-500(UNS N05500)											
化学成分 Chemical Composition	合金	%	镍Ni	铜Cu	铁Fe	铝AL	碳C	钛Ti	锰Mn	硅Si	硫P
	500	最小min	63	27		2.30	-	0.35	-	-	-
		最大max	-	33	2.0	3.15	0.08	0.85	1.5	0.5	0.01
物理特性 Physical Characteristics	密度 Density		8.05g/cm³								
	熔点 Melting point		1288-1343℃								
在常温下合金 的机械性能的 最小值	典型机械性能		抗拉强度 Rm N/mm²		屈服强度 RP0.2 N/mm²		延伸率 A5%		测试温度 Test ℃		
	固溶处理		1100		790		20		常温		
特性 characteristic	MONEL K500又叫UNS N05500,具有与Alloy 400相同的耐蚀性能,但是具有更高的机械强度和硬度。具有较好的耐热腐蚀性能和长期组织稳定性。										
金相结构 Metallographic structure	Monel500合金的组织为高强度的单相固溶体										
耐腐蚀性 Corrosion resistance	Monel k-500合金在氟气、盐酸、硫酸、氢氟酸以及它们的派生物中有极优秀的耐蚀性。同时在海水中比铜基合金更具耐蚀性。Monel500在浓度小于85%的硫酸中都是耐蚀的; Monel k-500是可耐氢氟酸为数极少的重要材料之一。水腐蚀: Monel500合金在多数水腐蚀情况下,不仅耐蚀性极佳,而且孔蚀、应力腐蚀等也很少发现,腐蚀速度小于0.025mm/a。高温腐蚀: Monel500在空气中连续工作的最高温度一般在600℃左右,在高温蒸汽中,腐蚀速度小于0.026mm/a,由于Monel500合金镍含量高,故可耐585℃以下无水氨和氨化条件下的腐蚀。										
应用范围 应用领域 Application	主要用于制造航空发动机上的工作温度在750℃以下的涡轮叶片及燃气轮机叶片;用于制造船舶上的紧固件、弹簧;化工设备上的泵、阀门零部件;造纸设备上的刮浆刀片等。										
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Qingsen, one of the industry 's leading supplier of Truck Body Parts,Trailer Accessories and Commercial vehicle components since 2018.Our products cover more than 800 kinds which include Door Lock System,Hinges, Fasteners, Cargo Control, Door Seal, Door Retainer,Buckle, Roller,E-track, Winch,Buffer, Folding Step,Deck Ring etc. And can completely serve for trucks,trailers, containers etc.we excel in providing our customers with the best in value by delivering the products you need.Our team strives for "extraordinary" in providing the truck body parts and trailer parts industry with the best in products and service which is unparalleled in the industry.when you need any parts related to a truck or trailer or container of any kind.Qingsen is your world-wide ONE-STOP SHOP. With more than 500 suppliers and factories nationwide, we help you get the projects done quickly and correctly.

Q1: Can I have one or two samples for checking?

A: Yes, one free sample and freight collect, trial order is also welcome.

Q2: What's your lead time?

A: Depending on orders, usually 10~35 days

Q3: What countries have you exported to?

A: Worldwide!

Q4: Do you have MOQ ?

A: Depending on exact product, usually 500 units, no MOQ if goods in stock, most products list on Alibaba we have hundreds to thousands in stock.

Q5: Can you meet my requirements like print LOGO on the product, specific packaging, etc

A: Of course! we are a professional factory, everything can go in your way!

Q6: Can I visit your company?

A: sure, any time at your convinience, please inform us before your visit

Q7: How is my product shipped? Will my product arrive on time?

A: By sea, by air or by express carriers (UPS, FedEx, TNT) transit time depends on freight rates.

Q8: What's terms of payment?

A: 30% T/T deposit, 70% balance before delivery.

B: 30% T/T deposit, 70% balance against BL.

C: 100% in advance, L/C at sight, Western Union/ Paypal for small amount payment.



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