

哈氏合金钢板

产品名称	哈氏合金钢板
公司名称	上海镍多化工设备制造有限公司
价格	222.00/kg
规格参数	品牌:上海镍多 型号:C276
公司地址	上海市浦东新区金港路199弄6号
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产品详情

哈氏合金材料，锆702材料，锆705材料，英科乃尔材料，蒙乃尔材料(详见<http://www.shndco.com>)

我公司是进口材料哈氏合金（Hastelloy），锆702和705（Zirconium702和705），英科乃尔（Inconel）和蒙乃尔（Monel）材料专业经销商及哈氏合金，英科乃尔和蒙乃尔的标准和非标准设备和部件等专业制造商。这些特殊材料具有较好抗均匀侵蚀，优异抗局部腐蚀和应力裂纹腐蚀，耐海水腐蚀和耐高温特性因而，这些特殊材料被广泛用于石油，化工，制药，气体脱硫，电厂，造船和许多行业。

1.材料分类： a. 哈氏合金材料分: 哈氏C-276, 哈氏B-2, 哈氏B-3, 哈氏C-22, 哈氏C-2000和哈氏G-30等 b. 英科乃尔材料分: 英科600, 英科601, 英科625, 英科718, 英科800HT, 英科825等 c. 蒙乃尔材料分: 蒙乃尔400, 蒙乃尔500 2.提供上述特殊材料:

a. 管: 无缝管(工艺管Pipe/换热管Tube), 焊管(工艺管Pipe/换热管Tube), 毛细管(管最小外径为 3.17mm)

b. 板材: 厚板, 薄板和钢带

c. 圆棒

d. 盘丝, 丝网/过滤网

e 焊材: 焊丝/焊条

f 锻件

为方便客户需要, 上述特殊材料可整体销售, 也可按客户要求规格尺寸下料提供

1.材料特性和用途简介： (1). 哈氏C-276 UNS N10276 W.Nr. 2.4668 a. 化学成分：镍 57% ，铬Cr 16%，钼16%，钴2.5%，钨 4%，铁 5%，硅0.08%，锰 1%，碳 0.01%，钒 0.035% b. 性能和用途：哈氏C-276 在各种化学

工艺条件下具有非常好的耐腐蚀性，包括强氧化性介质（例氯化铁，氯化铜，热腐蚀介质（有机和无机物），氯气，甲酸，醋酸，醋肝，海水，盐溶液。由于哈氏C-276具有非常好耐硫化物和氯离子性能，因而被广泛用于脱硫系统中燃料气体设备中。哈氏C-276具有优异的耐点蚀和拉应力裂纹腐蚀，它也是少有的耐湿氯气，盐酸和氯化物的材料之一，在各种浓度的冷硝酸或浓度达到70%的沸腾硝酸具有优异的耐腐蚀性能，具有良好的耐盐酸和硫酸腐蚀性能及优异的耐应力腐蚀性能。
推荐最大工作温度不超过1093 °，布氏硬度约210。

(2). 哈氏B3 UNS N10675

a. 化学成分：镍 65% ，铬 1.5%，钼28%，钴3%，钨 3%，铁 1.5%，硅0.18%，锰 3%，碳 0.01%，钛 0.02% b. 性能和用途：哈氏B-3是镍钼合金系列中一个产品和在所有温度和浓度条件下具有非常优异的耐盐酸的性能。它也能耐硫酸，醋酸，甲酸，邻酸和其他非氧化性酸。哈氏B-3非常好的耐点蚀和热裂纹性能。哈氏B-3适用于哈氏B-2使用场合。哈氏B-2/3不适用铁盐和铜盐介质中，因为在这些介质中会加速哈氏B-2/B-3材料腐蚀。推荐最大工作温度不超过1093 °，具有优异的耐腐蚀性能，布氏硬度约230。

c. 哈氏B3在各种介质(不同温度和浓度)中材料腐蚀裕度

(3). 锆702 R60702

a. 锆702化学成分：锆+铪 99.2% ，铪4.5%，铁 +铬0.2%，氧化物0.16%，氮化物 3%，碳 0.05% b. 性能和用途：锆具有在所有浓度和温度条件下具有非常好的耐盐酸腐蚀性，在低于70%浓度和所有温度条件下具有非常好的耐硫酸腐蚀性。在低于90%浓度和所有温度条件下硝酸腐蚀速率为0.005mm/每年。锆在大多数有机酸具有良好的耐腐蚀性能，例醋酸，醋肝，枸橼酸，乳酸，氯化物有机酸等。锆是即能用于强酸和强碱化工设备材料，但不能用于氢氟酸

(4) 英科乃尔材料分: 英科600, 英科601, 英科625, 英科718, 英科800, 英科825等 英科乃尔600 UNS 06600 W. Nt. 2.4816 (镍-铬-铁合金) a. 化学成分：镍 72% ，铬 15%，铜0.5%，钨 3%，铁 7%，硅0.5%，锰 1%，碳 0.15% b. 性能和用途：英科乃尔600材料具有优异耐腐蚀和高温性能，

镍铬合金在高温条件下具有良好耐氧化性，碳化物和氯气介质。高镍成分使其用于耐还原性介质和一些有机物和无机物，英科乃尔600具有非常好的避免氯离子应力腐蚀产生裂纹。英科乃尔600在各种应用中温度从低温直至 (1095 ° C)以上。鉴于英科乃尔600材料在高温下强度和抗氧化性被广泛应用于加热器、加工中的脂肪酸泡沫塔和冷凝器, 蒸发器, 生产钠硫化物管板和托盘

在热处理行业,制造喷嘴, 挡板, 滚筒其他组件和热处理炉篮子和底盘等,

英科乃尔600具有非常好的耐硫化物和各种氧化物，英科乃尔600中铬含量使其在氧化性中纯碱耐蚀性优异。在强氧化性高温溶液中，例在硝酸中，其耐腐蚀性是差的。英科乃尔600在多数中性和碱溶液中其耐蚀性是差的，其具有耐蒸汽混合蒸汽和二氧化碳。

布氏硬度约150。

(5) . 蒙乃尔材料分: 蒙乃尔400, 蒙乃尔500 蒙乃尔400 UNS N04400 W. Nr 2.4360 又称镍铜合金 a. 化学成分：镍 66% ，铜31%，铁 2.5%，硅0.0245%，锰 2%， b. 性能和用途：蒙乃尔400材料具有优异耐海水, 氢氟酸, 硫酸和碱溶液腐蚀被广泛应用于造船和化工工业。最大推荐温度不高于815 ° C布氏硬度约120。

如您有任何问题,请随时与我方联系,谢谢. 陈志宝 总经理 MP: 13801732820

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Material for Hastelloy, Zirconium702 , Zirconium 705, Inconel and Monel

Our corporation is an importer submitted the material of Hastelloy, Inconel, Monel and Zirconium702/705 etc. and a manufacturer fabricated all types equipment and parts of these special material. These special material have become widely used by the oil and gas, chemical processing industries, pharmaceutical, gas desulfurization industries, power, marine and many industries.

1. Material classed as: a. Hastelloy: Hastelloy C-276, Hastelloy B2, Hastelloy B3 , Hastelloy C22. Hastelloy C2000. Hastelloy G30 etc. b. Inconel: Inconel 600, Inconel 601, Inconel 625 Inconel 718, Inconel 600, Inconel 800HT, Inconel 825 etc. c. Monel: Monel 400 Monel 500 2. Available material. a. Pipes: Seamless pipes and seamless tubes, Welded pipes and welded tubes, Thin tubes (minimum outside diameter is 3.17mm

a. Plates, Sheets, stripes

b. Bars

c. Wires and meshes

d. Welding material: Welded wire and electrode e. Forging

In order to submit better service and satisfied requirement for buys, Above material may be cutted to submite according to the requirement for buy

3 Performance and used for special material

(1) Hastelloy C-276. UNS N10276 W.Nr. 2.4668 a. Chemical composition. Ni 57%, Cr 16%, Mo 16%, Co 2.5%, W 4%, Fe 5%, Si 0.08%, Mn 1%, C 0.01%, V 0.035% b. Performance. Hastelloy C-276 alloy has excellent resistance to wide variety of chemical process environments, including strong oxidizers such as ferric and cupric chlorides, hot contaminated media (organic and inorganic), chlorine, formic and acetic acid, acetic anhydride, and seawater and brine solutions. It ' s used in flue gas desulfurization systems because of its excellent resistance to sulfur compounds and chloride ions encountered in most scrubbers, C-276 alloy has excellent resistance to pitting and to stress corrosion cracking. It ' s also one of the few material that withstands the corrosive effects of wet chlorine gas, hypochlorite, and chlorine dioxide. Maximum temperature range of 1093 ° C. Brinell hardness is about 210

(2) Hastelloy B-3 UNS N10675 a. Chemical composition. Ni 65%, Cr 1.5%, Mo 28%, Co 3%, W 3%, Fe 1.5%, Si 0.18%, Mn3%, C 0.01%, Ti 0.02% b. Performance. Hastelloy B-3 alloy is an additional member of the nickel-molybdenum family of alloy with excellent resistance to hydrochloric acid at all concentrations and temperatures. It also withstands sulfuric, acetic acid, formic and phosphoric acid, and other non-oxidizing media. B-3 alloy has excellent resistance to pitting corrosion cracking and knife-line and heat – affected zone attack.. B-3 alloy is suitable for use in all applications previously requiring the use of B-2 alloy. B-3/B-2 alloy are not recommended for use in the presence of ferric or cupric salts as these salts may cause rapid corrosion failure. Maximum temperature range of 1093 ° C. Brinell hardness is about 230

(3) Zirconium 702 (R60702) and Zirconium 705 (R60705) a. Chemical composition. Zr+Ha 99.2%, Ha 4.5%, Iron +Cr 0.2%, Oxygen 0.16%, Nitrogen 0.025%, C 0.05% b. Performance. In addition to resisting HCl at all concentrations and at temperatures above the boiling temperature, zirconium and its alloys also have excellent resistance in sulfuric acid at temperatures above boiling and concentrations to 70%. Corrosion rate in nitric acid is less than 1 mil/year at temperatures above boiling and concentrations to 90%. The metals also resist most organics such as acetic acid and acetic anhydride as well as citric, lactic, tartaric, oxalic, tannic, and chlorinated organic acids. Relatively few metals besides zirconium can be used in chemical processes requiring alternate contact with strong acids and

alkalis. However, zirconium has no resistance to hydrofluoric acid and is rapidly attacked, even at very low concentrations.

(4). Inconel classed as: Inconel 600, Inconel 601, Inconel 625 Inconel 718, Inconel 600, Inconel 800HT, Inconel 825 etc.

Inconel 600 UNS N06600 W.Nr. 2.4816 a. Chemical composition.

Ni 72%, Cr 15%, Cu 0.5%, W 3%, Fe 7%, Si 0.5%, Mn1%, C 0.15% b. Performance:

INCONEL is a standard engineering material for applications which require resistance to corrosion and heat. The alloy also has excellent mechanical properties and presents the desirable combination of high strength and good workability. The high nickel content gives the alloy resistance to corrosion by many organic and inorganic compounds and also makes it virtually immune to chloride-ion stress-corrosion cracking. The versatility of INCONEL alloy 600 has led to its use in a variety of applications involving temperatures from cryogenic to above 2000 ° F (1095 ° C). The alloy is used extensively in the chemical industry for its strength and corrosion resistance. Applications include heaters, stills, bubble towers and condensers for processing of fatty acids; evaporator tubes, tube sheets and flaking trays for the manufacture of sodium sulfide. The alloy's strength and oxidation resistance at high temperatures make it useful for many applications in the heat-treating industry. It is used for retorts, muffles, roller hearths and other furnace components and for heat-treating baskets and trays. Brinell hardness is about 150.

(5). Monel classed as : Monel 400 Monel 500

Monel 400 UNS N04400 W. Nr 2.4360 a. Chemical composition. Ni 66%, Cu 31%, Fe 2.5%, S 0.024%, Mn2% b. Performance:

A nickel-copper alloy with high strength and excellent corrosion resistance in a range of media including sea water, hydrofluoric acid, sulfuric acid and alkalis. It is widely used in many fields, especially marine and chemical processing. Maximum temperature range of 815 ° C. Brinell hardness is about 120

Should you have any questions, please do not hesitate to contact us at you convenience. Best regards, Chen Zhibao
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