



**Hiwosport**  
www.hiwosport.com



**Inconel 600/601/620/625/718/c276**

# Product Information

## Material Properties

- Inconel 600/601/620/625/718/c276 (Nickel-based superalloy)
- Temperature limit: ~1000–1100°C
- High strength and creep resistance, resisting softening and deformation even at extremely high temperatures
- Extremely corrosion-resistant (salt spray, oxidizing, and exhaust gas environments)

## Technical specifications:

- Material composition Inconel 600/601/620/625/718/c276 (Nickel-based superalloy)
- Continuous temperature resistance 1000–1100°C
- Thickness range 0.1mm/ Customized optional

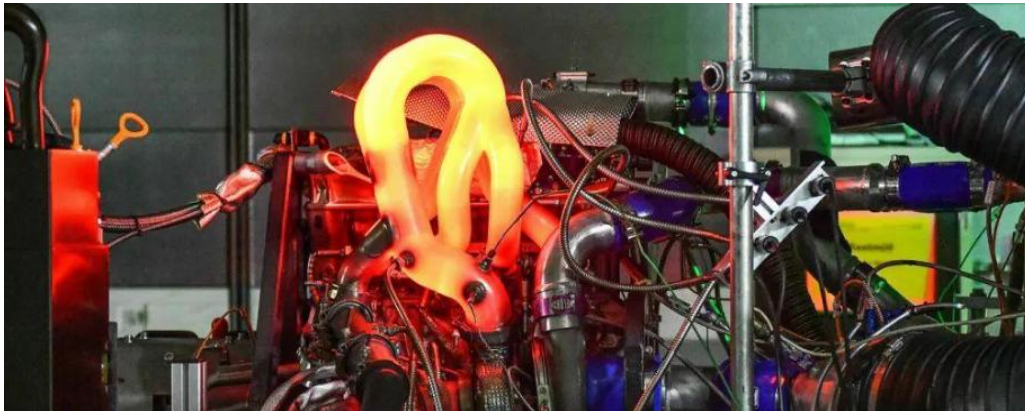
# Product Application

## Application requirements

**"Extreme performance + lightweight" - Using Inconel 625 can achieve the same strength and temperature resistance at a thinner thickness while reducing weight.**

### 1.Exhaust System

Especially the downpipe after the turbocharger of a racing car, the exhaust pipe, and even the entire header system.



### 2. Heat Shield

In the engine compartment, near the exhaust manifold, turbine, and even underfloor exhaust pipes, a multi-layer insulation structure is common.

### 3. High-temperature fasteners and connectors

Certain key bolts/supports are used to prevent failure under extreme operating conditions.




# Product Certificate



杭州海花进出口有限公司  
HANGZHOU HAIFENG IMPORT&EXPORT CO.,LTD

## 产品质量证明书 INSPECTION CERTIFICATE

订货单位: 杭州海花进出口有限公司 Customer:		产品名称: 不锈钢冷轧钢带 Product: Cold rolled stainless steel coil		
收货单位: 杭州海花进出口有限公司 Purchaser:		交货状态: 2B 固溶 酸洗 切边 Condition: 2B;Solid solution;Pickling;C		
标准Specification ASME SB-443-2019	牌号Grade N06625	合同号Mill'S No. L253T00857 客户订单Customer Order No.	证书编号Certificate No. 0045000341370828 提单号Consignment No. OLD5016321001 车号Train Wagon No. 晋A04088D	

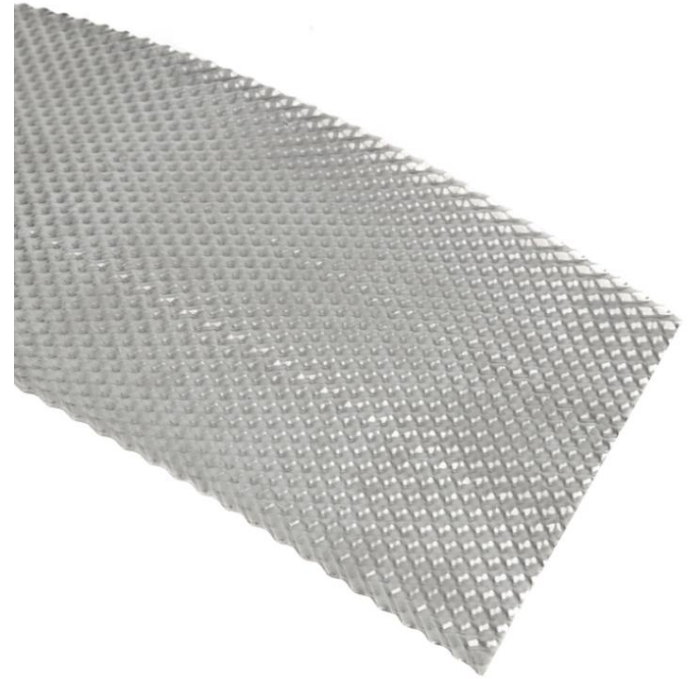
序号 No.	材料号 Material No.	炉号 Heat No	规格 Dimensions (mm)	数量 Quantity	重量 Weight(t)	
1	FA40924070F00	C2403291	1.5*1240	1	12.153	
尺寸及外观Acceptable Visual And Dimensions:合格OK						合计Total 1 12.153

序号 No.	分析 Max. Min.	C%	Si%	Mn%	P%	S%	Cr%	Ni%	Mo%	Al%	Nb%	Ti%	Co%	Fe%	Ta%	71%
1	H	0.01	0.30	0.05	0.004	0.001	21.73	64.16	8.16	0.15	3.22	0.14	0.02	2.03	<0.01	3.22

序号 No.	位置 方向 P.D.	屈服强度	抗拉强度	伸长率
		Y.S. Rp0.2 MPa	T.S. Rm MPa	EL A50 %
		常温	常温	常温
		Max.		
		Min.		
1	T2	390	840	58

注释 Notes	C=Cutting edge; H=熔炼分析Heat analysis; P=成品分析Product analysis; D=电渣重熔分析Electroslag remelting; 71 = Nb+Ta; Y.S.=Yield Strength; 常 温 = Normal Temperature (Room Temperature); T.S.=Tensile Strength; EL=Elongation; A50.Lo=50mm; T=头部Top; 2=横向Transverse;	
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# Product Image







**We are the first factory in China to produce this type of product. We can produce according to any size of yours, and we can OEM for you. If you have any information about this market, please remember to welcome us to communicate. This year we will bring this product to SEMA SHOW 2025. Our exhibition number for SEMA SHOW 2025 is 20022. We are welcome to communicate on the spot.**