

**Steel Grade: 12Ni14/10Ni14 | Material No: 1.5637**
**CHEMICAL COMPOSITION**

C(%)≤	Si(%)≤	Mn(%)≤	P(%)≤	S(%)≤	Cr(%)	Ni(%)	V(%)	Other(%)
≤0.15	≤0.35	0.30 ~ 0.80	0.02	0.01	—	3.25 ~ 3.75	≤0.05	—②

**HEAT TREATMENT**

Hot Working/°C	Normalizing/°C	Quench/°C	Temper/°C
1100 ~ 850	830 ~ 880	820 ~ 870 Water or Oil	580 ~ 640

**MECHANICAL PROPERTIES IN NORMAL OR LOW TEMP**

Condition	Tensile Strength σ <sub>b</sub> /Mpa	Yield Strength σ <sub>s</sub> ≥/Mpa	Extensibility δ <sub>5</sub> (%)≥	Reduction of Area ψ(%)≥	Ballistic α <sub>k</sub> (DVM)/J
-120°C	580	450	18	—	—
-20°C	460	365	21	—	70
-50°C	490	380	20	—	65
-80°C	520	410	19	—	60

From: Jiangyou Hacer Technology Co., Limited  
 Factory Add: Jiangzhang Road, Jiangyou City, SC, China  
 Website: <https://www.jhacer.com/>  
 Email: [sales@jhacer.com](mailto:sales@jhacer.com)  
 Phone: +86-(0)816-3260757  
 Call: +86-13658128897 (WhatsApp)  
 Fax: +86-(0)816-3260757