

**Steel Grade: X7NiMo6 | Material No: 1.6349**
**CHEMICAL COMPOSITION**

C(%)≤	Si(%)≤	Mn(%)≤	P(%)≤	S(%)≤	Cr(%)	Ni(%)	V(%)	Other(%)
≤0.10	≤0.35	0.60 ~ 1.40	0.025	0.02	—	5.00 ~ 6.00	≤0.05	Mo0.20 ~ 0.35

**HEAT TREATMENT**

Hot Working°C	Normalizing/°C	Quench/°C	Temper°C
1100 ~ 850	520 ~ 570	850 ~ 920, 690 ~ 740 Water or Oil	590 ~ 630

**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	—	—	—	—	45
-20°C	—	—	—	—	70
-50°C	—	—	—	—	70
-80°C	—	—	—	—	55

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