



Steel Grade: 20Mn6 | Material No: 1.1169

**CHEMICAL COMPOSITION**

C(%)≤	Si(%)≤	Mn(%)≤	P(%)≤	S(%)≤	Cr(%)	Ni(%)	V(%)	Other(%)
0.17 ~ 0.23	0.30 ~ 0.60	1.30 ~ 1.60	0.035	0.035	—	—	—	—

**HEAT TREATMENT**

Hot Working°C	Normalizing/°C	Quench/°C	Temper°C
1100 ~ 850	860 ~ 890	860 ~ 890 Water	500 ~ 850

**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
-20°C	530	315	20	—	69
-50°C	550	335	19	—	55
-80°C	580	355	18	—	41
Room Temperature	540 ~ 690	345	20	55	96

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