

Steel Grade: 10CrMo9-10 | Material No: 1.7380

CHEMICAL COMPOSITION

C(%) ≤	Si(%) ≤	Mn(%) ≤	P(%) ≤	S(%) ≤	Cr(%)	Mo(%)	Ni(%)	Other(%)
0.08~0.14	≤0.50	0.40~0.80	0.03	0.025	2.00~2.50	0.90~1.10	—	Cu ≤0.30; +Al

HARDNESS AND HEAT TREATMENT MECHANICAL PROPERTIES

Hot Working °C	Annealing/Normalizing °C	Quench °C	Temper °C	Brinell Hardness HBS	Tensile Strength   $\sigma_b \geq$ Mpa	Normal Temp Yield Strength   $\sigma_s \geq$ Mpa	Extensibility   $\delta_5 \geq$ (%)	Ballistic   $akv \geq$ J⑥		
1100~850	730~780	920~980	680~780	130~175	440~590	265	20	55		
Yield Strength   $\sigma_{0.2} \geq$ /Mpa					Creep Limit/Mpa   1000h					
200°C	300°C	350°C	400°C	450°C	500°C	450°C	500°C	550°C	600°C	10000h   450°C
245	220	210	200	190	180	—	206	118	64	—
Creep Limit/Mpa   10000h			Creep Rupture/Mpa   1000h				Creep Rupture/Mpa   10000h			
500°C	550°C	600°C	450°C	500°C	550°C	600°C	450°C	500°C	550°C	600°C
157	83	44	—	108	49	27	—	206	113	63

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