

# Jiangyou Hacer Technology Co., Ltd.

Steel Grade: 17MnMoV6-4 | Material No: 1.5403

## CHEMICAL COMPOSITION

C(%) ≤	Si(%) ≤	Mn(%) ≤	P(%) ≤	S(%) ≤	Cr(%)	Mo(%)	Ni(%)	Other(%)
≤0.19	0.20~0.50	1.40~1.70	0.035	0.035	—	0.20~0.50	≤1.00	V ≤0.19; N ≤0.020

## 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   $ak_v \geq$ J⑥		
1100~850	880~940③	—	610~690	—	570~740	410	16	31⑤		
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
353	333	324	294	—	—	—	—	—	—	275
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
147	—	—	206	88	—	—	314	177	—	—

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