

Steel Grade: 17MoV8-4 | Material No: 1.5406

**CHEMICAL COMPOSITION**

C(%) ≤	Si(%) ≤	Mn(%) ≤	P(%) ≤	S(%) ≤	Cr(%)	Mo(%)	Ni(%)	Other(%)
0.14~0.22	0.15~0.35	0.50~0.80	0.035	0.035	0.20~0.40	0.80~1.00	≤0.30	V 0.30~0.40

**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	650~720	940~970 Oil	690~720	205~250	690~830	590	17	41		
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
520	490	461	441	412	382	—	—	—	—	333
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
226	118	—	265	147	69	—	412	294	147	—

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