



Jiangyou Hacer Technology Co., Ltd.

Steel Grade: 40Mn4 | Material No: 1.1157

CHEMICAL COMPOSITION

C(%)	Si(%)	Mn(%)	P(%) ≤	S(%) ≤	Cr(%)	Mo(%)	Other(%)
0.36~0.44	0.25~0.50	0.80~1.10	0.035	0.035	—	—	—

HARDNESS AND HEAT TREATMENT

Hot Working/°C	Annealing/°C	Normalizing/°C	Quench/°C	Temper/°C	Surface Hardening/°C	Surface Hardness HRC
1100~850	650~700	850~880	820~850Water 830~860Oil	480~650	820~850	53~59

MECHANICAL PROPERTIES

Size/mm	Tensile Strength   $\sigma_b$ /MPa	Yield Strength   $\sigma_s \geq$ /MPa	Extensibility   $\delta_5(\%) \geq$	Reduction of Area   $\psi(\%) \geq$	Ballistic   akv/J①
≤16	880~1030	635	12	40	34

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