



Jiangyou Hacer Technology Co., Ltd.

Steel Grade: 51MnV7 | Material No: 1.5225

CHEMICAL COMPOSITION

C(%)	Si(%)	Mn(%)	P(%)	S(%)	Cr(%)	Mo(%)	Other(%)
0.48~0.55	0.15~0.35	1.60~1.90	0.035	0.035	—	—	V 0.07~0.12

HARDNESS AND HEAT TREATMENT

Hot Working/°C	Spring Thermal Forming/°C	Annealing/°C	Normalizing/°C	Quench/°C	Temper/°C	Annealing Hardness ≤HBS
1050~850	800~880	640~680	830~860	830~860Oil	430~500	230

MECHANICAL PROPERTIES

Flat Steel Size/mm	Round Steel Size/mm	Tensile Strength σ_b /MPa	Yield Strength $\sigma_s \geq$ /MPa	Extensibility $\delta_5 \geq$ (%)	Reduction of Area $\psi \geq$ (%)	Ballistic AKV① /J \geq
14	—	1270~1470	1080	6	30	21

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