

Steel Grade: 42CrMo4 | Material No: 1.7225

**CHEMICAL COMPOSITION**

C(%)	Si(%)	Mn(%)	P(%)	S(%)	Cr(%)	Mo(%)	Ni(%)	Other(%)
0.38~0.45	≤0.40	0.60~0.90	0.035	0.035	0.90~1.20	0.15~0.30	—	—

**HARDNESS AND HEAT TREATMENT**

Hot Working/°C	Annealing/°C	Normalizing/°C	Quench/°C	Temper/°C	Annealing hardness HBS ≤
1050~850	680~720	840~880	820~850 Water 830~860 Oil	540~680	241

**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/J <sup>③</sup>
≤16	1100~1300	900	10	40	35
17~40	1000~1200	750	11	45	40

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)