



Jiangyou Hacer Technology Co., Ltd.

Steel Grade: 16CrMo9-3 | Material No: 1.7281

CHEMICAL COMPOSITION

C(%) ≤	Si(%) ≤	Mn(%) ≤	P(%) ≤	S(%) ≤	Cr(%)	Mo(%)	Other(%)
0.12~0.20	0.15~0.35	0.30~0.50	0.035	0.035	2.00~2.50	0.30~0.40	—

HARDNESS AND HEAT TREATMENT

Hot Working(°C)	Annealing(°C)	Quench(°C)	Refrigeration	Temper(°C)
1100~850	680~730	920~970	Oil/Air	620~650

MECHANICAL PROPERTIES

Tensile Strength $\sigma_b \geq$ Mpa	Yield Strength $\sigma_s \geq$ Mpa	Extensibility $\delta_5 \geq$ (%)	Ballistic $akv \geq$ (J/cm ²)	Annealing hardness HBS
540~640	345	20	55	160~690

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
 Fax: +86-(0)816-3260757