

Steel Grade: AISI — | ASTM 25 – 4 – 4 | UNS S44635 | Type: Ferrite

CHEMICAL COMPOSITION

C(%)	Si(%)	Mn(%)	P(%) ≤	S(%) ≤	Cr(%)	Ni(%)	Mo(%)	Other(%)
≤0.025	≤0.75	≤1.00	0.04	0.03	24.5~26.0	3.50~4.50	3.50~4.50	4 × (C+N) ≤ (Ti+Nb) ≤ 0.80, N ≤ 0.010

MECHANICAL PROPERTIES AND HARDNESS

Variety②	Condition③	Tensile Strength σ_b /MPa	Yield Strength $\sigma_{0.2}$ /MPa	Extensibility δ (%)	Reduction of Area ψ (%)	Hardness HRB	Standard ASTM
P,Sh,St	A	620	515	20	—	A176,A240	A176,A240
-	-	-	-	-	-	-	-

Remark:

- ②, B—Bar; F—forging; P—Thick plate; Sh—Sheet; St—Strip; Pi,T—Pipe steel; S-Pi,T—Seamless Pipe steel; W-T—Welded Pipe; Sp—Shape; W—wire.
- ③, A—Annealing; HF—Hot Forging; CF—Cold Drawing.
- ④, The thickness or diameter is more than 13mm.
- ⑤, The thickness or diameter is more than 13mm.
- ⑥, The diameter is more than 4mm.
- ⑦, When the diameter of wire is under 3.96mm, the δ is 25%, and ψ is 40%.
- ⑧, The cross section of forging is above 127mm, then the σ_b is 485Pa.

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)