

Steel Grade: AISI — ASTM XM-8 UNS S43035 Type: Ferrite								
CHEMICAL COMPOSITION								
C(%)	Si(%)	Mn(%)	P(%) ≤	S(%) ≤	Cr(%)	Ni(%)	Mo(%)	Other(%)
≤0.07	≤1.00	≤1.00	0.04	0.03	17.0~19.0	≤0.50	—	4(C+N) ≤ Ti ≤ 1.10, Al ≤ 0.15, N ≤
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	
B	A	485	275	20	45	A479	A479	
P,Sh,St	A	450	205	22	—	A240	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.

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