



Jiangyou Hacer Technology Co., Ltd.

Steel Grade: ASTM A709 Gr.50type 3 | 0.0000

CHEMICAL COMPOSITION

C (%)	Si (%)	Mn (%)	P (%)	S (%)	Cu (%)	V (%)	Other (%)
0.23	0.40	1.35	0.04	0.05	—	—	Nb \leq 0.05; V+Nb0.02~0.15

MECHANICAL PROPERTIES

Thickness/mm	Tensile Strength σ_b /MPa	Yield Strength $\sigma_s \geq$ /MPa	Expensibility δ ③ (%)	Cold-bend Test(180°C/L)①	Cold-bend Test(180°C/T) ①
100	450	21	—	345	—
100	485	21	—	345	—

Remark:

- ①, The d which is flexural Center Dia is integral multiple as a which is thickness of steel.
- ②, We can meet any additional conditions within ASTM6 standard.
- ③, The distance of testing sample is 50mm.

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