

420 – IS 6911: 2017 -Technical Datasheet

1. Chemical & Mechanical Properties (Annealed, CR)

Property	Value
C (%)	0.15–0.45
Mn (%)	≤1.00
Si (%)	≤1.00
P (%)	≤0.040
S (%)	≤0.030
Cr (%)	12.0–14.0
Ni (%)	≤0.75
Mo (%)	—
N (%)	—
UTS (MPa min)	515
YS 0.2% (MPa min)	205
El (%) min	40

2. Equivalent / Alternative Grades

Grade	Standard	UNS	EN	JIS
420	ASTM A240 / EN 10088 / JIS G 4305	S42000	1.4021	SUS420J1

3. Common Applications

- Automotive trim
- Kitchenware
- Chemical vessels

4. Standard Conformance

Cold-rolled stainless-steel sheet/strip conforming to IS 6911 : 2017.

5. Disclaimer

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