

# 321 – IS 6911: 2017– Technical Datasheet

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## 1. Chemical & Mechanical Properties (Annealed, CR Sheet)

Property	Value
C (%)	≤0.030
Mn (%)	≤2.00
Si (%)	≤1.00
P (%)	≤0.045
S (%)	≤0.030
Cr (%)	16.5–18.5
Ni (%)	10.0–13.0
Mo (%)	2.0–2.5
N (%)	≤0.10
UTS (MPa min)	515
Ti (%)	5×C – 0.70
YS 0.2% (MPa min)	205
El (%) min	40

## 2. Equivalent / Alternative Grades

Grade	Standard	UNS	EN	JIS
321	ASTM A240 / EN 10088 / JIS G 4305	S32100	1.4541	SUS321

## 3. Common Applications

- Automotive trim
- Furnace parts
- Flue gas components

## 4. Standard Conformance

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

## 5. Disclaimer

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