

# 431 – IS 6911: 2017--Technical Datasheet

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

Property	Value
C (%)	≤0.20
Mn (%)	≤1.00
Si (%)	≤1.00
P (%)	≤0.040
S (%)	≤0.030
Cr (%)	15.0–17.0
Ni (%)	1.25–2.50
Mo (%)	—
N (%)	—
UTS (MPa min)	515
YS 0.2% (MPa min)	205
El (%) min	40

## 2. Equivalent / Alternative Grades

Grade	Standard	UNS	EN	JIS
<b>431</b>	ASTM A240 / EN 10088 / JIS G 4305	S43100	1.4057	SUS431

## 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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