

446 – IS 6911: 2017-Technical Datasheet

1. Chemical & Mechanical Properties (Annealed, CR)

Property	Value
C (%)	≤0.20
Mn (%)	≤1.50
Si (%)	≤1.00
P (%)	≤0.040
S (%)	≤0.030
Cr (%)	23.0–27.0
Ni (%)	≤0.50
Mo (%)	—
N (%)	—
UTS (MPa min)	515
YS 0.2% (MPa min)	205
El (%) min	40

2. Equivalent / Alternative Grades

Grade	Standard	UNS	EN	JIS
446	ASTM A240 / EN 10088 / JIS G 4305	S44600	1.4749	SUS446

3. Common Applications

- High-temperature service
- Heat exchangers
- Chemical processing

4. Standard Conformance

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

5. Disclaimer

All chemical compositions, mechanical properties, dimensions and other technical data presented on this page are provided by Raunaq Steels Trading Pvt. Ltd. for **general reference only**. While we endeavour to ensure that the information is as accurate and up-to-date as possible, **no warranty, express or implied, is given** as to its completeness, correctness or fitness for any particular purpose. Raunaq Steels Trading Pvt. Ltd. **accepts no liability** for any loss or damage arising directly or indirectly from the use of, or reliance upon, the information contained herein.

For **authoritative** and **legally binding** specifications, users must refer to the **official publications** of the relevant standards—such as the BIS, ASTM, EN or JIS standards—available through their respective websites or published documents.