

# CR0 – IS 513: Part 1 (2016) – Technical Datasheet

## 1. Chemical & Mechanical Properties

Property	Value
C (%)	≤ 0.15
Mn (%)	≤ 0.60
Si (%)	≤ 0.03
P (%)	≤ 0.050
S (%)	≤ 0.055
Al (%)	—
Ti (%)	—
Nb (%)	—
Condition	Full hard
UTS (MPa)	≥ 315
Yield Strength	—
Elongation	—

## 2. Equivalent / Alternative Grades

Grade	Standard	C%	Mn%	Si%	P%	S%	Al%	Ti%	Nb%	UTS/YS/El/BH
JIS SPCC-SH (full hard)	JIS G 3141	≤ 0.15	≤ 0.60	≤ 0.03	≤ 0.050	≤ 0.050	—	—	—	UTS ≥ 315; El —
ASTM A1008 CS Type B (FH)	ASTM A1008	≤ 0.15	≤ 0.60	≤ 0.03	≤ 0.040	≤ 0.040	—	—	—	UTS ≥ 315; El —
EN 10130 DC01+SH	EN 10130	≤ 0.12	≤ 0.60	≤ 0.03	≤ 0.045	≤ 0.045	—	—	—	UTS 340 – 440; El —

## 3. Common Applications

- Cold-rolling feed stock
- Faces needing hardness for later anneal

#### 4. Standard Conformance

Cold-reduced sheets/strip conforming to IS 513 : Part 1 : 2016.

#### 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.