

# IS1079 HR2 – Technical Datasheet

# 1. Chemical & Mechanical Properties

# A. Chemical Composition (Max %)

Element	Max %
С	0.17
Mn	1.50
Р	0.040
S	0.040

## **B.** Mechanical Properties (Typical / Min)

Property	Value
Yield Strength	≥ 210 MPa
Tensile Strength	350-390 MPa
Elongation	≥ 28 %

# 2. Equivalent / Alternative Grades

Standard	Grade
EN 10111	DD12
JIS G3132	SPHT1

## 3. Common Applications

- Drawing applications
- Automotive stampings
- Electrical enclosures

#### 4. Standard Conformance

Conforms to IS 1079: 2017 – Hot-Rolled Carbon-Steel Sheet, Plate and Strip grades.

### 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 upto-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.