

IS1079 HR2 – Technical Datasheet

1. Chemical & Mechanical Properties

A. Chemical Composition (Max %)

Element	Max %
C	0.17
Mn	1.50
P	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 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.