

IS1079 HR1 – Technical Datasheet

1. Chemical & Mechanical Properties

A. Chemical Composition (Max %)

Element	Max %
C	0.21
Mn	1.50
P	0.045
S	0.045

B. Mechanical Properties (Typical / Min)

Property	Value
Yield Strength	≥ 240 MPa
Tensile Strength	370–410 MPa
Elongation	≥ 25 %

2. Equivalent / Alternative Grades

Standard	Grade
JIS G3101	SS400
EN 10111	DD11

3. Common Applications

- Commercial quality sheets
- Automotive panels

- Furniture

4. Standard Conformance

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

5. Disclaimer

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