

# IS1079 HR0 – Technical Datasheet

## 1. Chemical & Mechanical Properties

### A. Chemical Composition (Max %)

| Element | Max % |
|---------|-------|
| C       | 0.21  |
| Mn      | 1.50  |
| P       | 0.050 |
| S       | 0.050 |

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

| Property         | Value       |
|------------------|-------------|
| Yield Strength   | ≥ 240 MPa   |
| Tensile Strength | 370–410 MPa |
| Elongation       | ≥ 23 %      |

## 2. Equivalent / Alternative Grades

| Standard | Grade  |
|----------|--------|
| EN 10025 | S235JR |
| ASTM     | A36    |

## 3. Common Applications

- General fabrication
- Structural parts
- Formed sections

#### 4. Standard Conformance

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

#### 5. Disclaimer

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