

# IS1079 ISH270 D — Technical Datasheet

## 1. Chemical & Mechanical Properties

## A. Chemical Composition (Max %)

Element	Max %
С	0.10
Mn	1.50
P	0.040
S	0.040
Nb+V+Ti	≤ 0.20

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

Property	Value
Yield Strength	≥ 270 MPa
Tensile Strength	350-430 MPa
Elongation	≥ 28 %

## 2. Equivalent / Alternative Grades

Standard	Grade
EN 10268	HC260Y
JIS G3134	SAPH370

## 3. Common Applications

- High-strength deep drawing

- Wheel discs
- Complex automotive stampings

#### 4. Standard Conformance

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

#### 5. Disclaimer

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