

# IS1079 ISH270 E – Technical Datasheet

## 1. Chemical & Mechanical Properties

### A. Chemical Composition (Max %)

Element	Max %
C	0.08
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	≥ 30 %

## 2. Equivalent / Alternative Grades

Standard	Grade
EN 10268	HC260ED
JIS G3134	SAPH370

### 3. Common Applications

- High-strength extra-deep drawing
- Door inner panels
- Complex body panels

### 4. Standard Conformance

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

### 5. Disclaimer

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