

IS1079 ISH270 C – Technical Datasheet

1. Chemical & Mechanical Properties

A. Chemical Composition (Max %)

Element	Max %
C	0.12
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	≥ 24 %

2. Equivalent / Alternative Grades

Standard	Grade
EN 10268	HC260LA
JIS G3134	SAPH370

3. Common Applications

- High-strength drawing

- Automotive reinforcements
- Structural parts

4. Standard Conformance

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

5. Disclaimer

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