

ISC350LA – IS 513 Part 2 (2016) – Technical Datasheet

1. Chemical & Mechanical Properties

| Property | Value |
|--------------------------------|-------------|
| C (%) | ≤ 0.12 |
| Mn (%) | ≤ 1.60 |
| Si (%) | ≤ 0.50 |
| P (%) | ≤ 0.020 |
| S (%) | ≤ 0.020 |
| Al (%) | 0.02 – 0.06 |
| Ti (%) | ≤ 0.15 |
| Nb (%) | ≤ 0.09 |
| Yield Strength YS (MPa min) | 350 |
| Tensile Strength UTS (MPa min) | 410 |
| Elongation A80 (%) min | 22 |

2. Equivalent / Alternative Grades

| Grade | Stand ard | C % | Mn % | Si % | P% % | S% % | Al % | Ti % | Nb % | YS (MPa) | UTS (MPa) |
|-------------------------------|---------------|------------|------------|------------|-------------|-------------|------------------------|------------|------------|----------|-----------|
| ASTM A1008 HS LAS-F Gr 350 | ASTM A1008 | ≤ 0 .12 | ≤ 1 .60 | ≤ 0 .50 | ≤ 0. 020 | ≤ 0. 020 | 0.0 2 – 0. 06 | ≤ 0 .15 | ≤ 0 .09 | 350 | 410 |
| EN 10268 H350 LA | EN 10 268 | ≤ 0 .12 | ≤ 1 .60 | ≤ 0 .50 | ≤ 0. 020 | ≤ 0. 020 | 0.0 2 – 0. 06 | ≤ 0 .15 | ≤ 0 .09 | 350 | 430 |
| JIS JSC350 | JFS A2 001 | ≤ 0 .12 | ≤ 1 .60 | ≤ 0 .50 | ≤ 0. 020 | ≤ 0. 020 | 0.0 2 – 0. 06 | ≤ 0 .15 | ≤ 0 .09 | 350 | 440 |

3. Common Applications

- Automotive structural members (rails, cross-members)
- Chassis and suspension components
- Press-formed high-strength panels

4. Standard Conformance

Conforms to IS 513 Part 2 (2016) – HSLA family.

5. Disclaimer

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