RAUNAQ STEELS TRADING PRIVATE LIMITED

ISC470L – 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)	470
Tensile Strength UTS (MPa min)	530
Elongation A80 (%) min	18

2. Equivalent / Alternative Grades

Grade	Standard	C %	Mn %	Si %	P%	S%	Al %	Ti %	Nb %	YS (MPa)	UTS (MPa)
ASTM A1008 H SLAS-F Gr 470	ASTM A1008	≤ 0.12	≤ 1.60	≤ 0.50	≤ 0.020	≤ 0.020	0.02 – 0.06	≤ 0.15	≤ 0.09	470	530
EN 10268 H470 LA	EN 10268	≤ 0.12	≤ 1.60	≤ 0.50	≤ 0.020	≤ 0.020	0.02 – 0.06	≤ 0.15	≤ 0.09	470	550
JIS JSC470	JFS A2001	≤ 0.12	≤ 1.60	≤ 0.50	≤ 0.020	≤ 0.020	0.02 – 0.06	≤ 0.15	≤ 0.09	470	560

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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