

IS 10748 Grade 2- Technical Datasheet

1. Chemical & Mechanical Properties

Property	Value
C (max %)	0.12
Mn (max %)	0.60
P (max %)	0.040
S (max %)	0.040
Tensile Strength σ_u (MPa min)	330
Yield Strength σ_y (MPa min)	210
Elongation A_5 (%)	28
Bend Test (ID)	2t

2. Equivalent / Alternative Grades

Grade	Standard	C max %	Mn max / range %	P max %	S max %	YS / TS / El%
JIS G 3132 SPHT2	JIS	0.10	0.50	0.040	0.040	YS 340; TS 340; El 25

3. Common Applications

- Electric-resistance welded line pipes
- Furniture & structural tubing requiring moderate strength

4. Standard Conformance

Conforms to IS 10748 : 2004 (Second Revision) including Amendment 1 : 2012.

5. Disclaimer

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