

# 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 $\sigma_u$ (MPa min)	330
Yield Strength $\sigma_y$ (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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