

Fe 650 – Technical Datasheet

1. Chemical & Mechanical Properties

Element	% Composition
C (%)	0.30
S (%)	0.040
P (%)	0.040
S+P (%)	0.075
Yield (MPa)	650
Tensile (MPa)	660
Elongation (%)	11

2. Equivalent / Alternative Grades

Grade	Standard	Yield (MPa)	Tensile (MPa)	Carbon Max (%)
ASTM A1035 Grade 120	ASTM A1035	830	1000	0.20
GB/T HRB600E	GB/T 1499.2	600	720	0.25
ISO 6935 B600C	ISO 6935-2	600	720	0.24

3. Common Applications

- Mega structures
- Long-span bridges & heavy duty constructions

4. Standard Conformance

IS 1786:2008 (incl. latest amendments)

5. Disclaimer

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