

Fe 415- Technical Datasheet

1. Chemical & Mechanical Properties

Element	% Composition
C (%)	0.30
S (%)	0.060
P (%)	0.060
S+P (%)	0.060
Yield (MPa)	415
Tensile (MPa)	485
Elongation (%)	14.5

2. Equivalent / Alternative Grades

Grade	Standard	Yield (MPa)	Tensile (MPa)	Carbon Max (%)
ASTM A615 Grade 60	ASTM A615	420	620	0.30
BS 4449 B460C	BS 4449	460	540	0.25

3. Common Applications

- General residential & low-rise buildings
- Slabs, beams & columns in moderate load

4. Standard Conformance

IS 1786:2008 (incl. latest amendments)

5. Disclaimer

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