

# Fe 415D – Technical Datasheet

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## 1. Chemical & Mechanical Properties

Element	% Composition
C (%)	0.25
S (%)	0.045
P (%)	0.045
S+P (%)	0.085
Yield (MPa)	415
Yield (MPa)	565
Elongation (%)	18

## 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
ISO 6935 B500A	ISO 6935-2	500	575	0.24

## 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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