

MATERIAL DATA SHEET · STRUCTURAL PLATE, SECTIONS & BARS

IS 2062 E350 BR

Chemical composition and mechanical properties

IS 2062 E350 BR is an Indian Standard specification for structural plate, sections & bars. This sheet summarises its chemical composition limits and minimum mechanical properties. Typical use: high-strength structural steel (India).

Chemical composition (weight %)

C	Mn	P max	S max	Si	Cr	Ni	Mo
0.20 max	1.55 max	0.045	0.045	0.45 max	—	—	—

Other elements and limits: CE 0.47 max; micro-alloying Nb+V+Ti 0.25 max; Charpy V 27 J min at room temperature

Mechanical properties

Tensile strength, min	490 MPa
Yield strength, min	350 MPa
Elongation, min	22 %
Hardness	Not specified

Heat treatment

As-rolled / controlled rolled / normalized

Typical service

High-strength structural steel (India)

Supplied by Teshi Group in this grade

Custom Fabrication (OEM manufacturer); Steel Plates (Stockist & supplier); Structural Steel (Stockist & supplier)

Composition limits are maxima unless a range is shown. Properties are specification minima for the standard product form and may vary with section size and edition of the specification.

Reference information compiled from the published standard for convenience. It does not replace the current edition of the governing standard, which takes precedence. Verify critical dimensions and properties before design, purchase or fabrication. Teshi Engineers & Sales Promoters (P) Ltd accepts no liability for errors or omissions.

Teshi Group

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