SAILMA 350HI Plates

An ideal choice for general heavy fabrication and structural applications, offering a balance of strength, weldability and ease of fabrication.

SAILMA 450HI Plates

Provides increased strength for heavy engineering, cranes, construction equipment and industrial structures requiring improved load-bearing capacity.

SAILMA 550HI Plates

A high-strength grade designed for demanding engineering applications where superior mechanical performance, durability and weight optimisation are important.

Technical Specifications

Mechanical Properties

Property	350HI	450HI	550HI
Minimum Yield Strength (MPa)	350	450	550
Typical Tensile Strength (MPa)	490–620	550–700	650–820
Typical Elongation (%)	22	20	18

Chemical Composition

Element	350HI	450HI	550HI
Carbon (Max %)	0.20	0.20	0.20
Manganese (Max %)	1.60	1.70	1.80
Phosphorus (Max %)	0.040	0.040	0.035
Sulphur (Max %)	0.040	0.040	0.035

Note: Verify all values against the latest manufacturer specifications and the corresponding Mill Test Certificates before publication.

Product Information

Specification	Details
Grades Available	SAILMA 350HI, SAILMA 450HI & SAILMA 550HI
Source	Leading Indian Steel Manufacturers
Documentation	Mill Test Certificate (MTC)
Material Traceability	Available
Processing Services	Available on request