MATERIAL DATA SHEET · SEAMLESS PIPE (SEAMLESS & WELDED)

ASTM A312 TP304L

Chemical composition and mechanical properties

ASTM A312 TP304L is an ASTM specification for seamless pipe (seamless & welded) (UNS S30403). This sheet summarises its chemical composition limits and minimum mechanical properties. Typical use: welded corrosion-resistant piping.

Chemical composition (weight %)

C	Mn	P max	S max	Si	Cr	Ni	Mo
0.035 max	2.00 max	0.045	0.030	1.00 max	18.0–20.0	8.0–13.0	—

Mechanical properties

Tensile strength, min	485 MPa
Yield strength, min	170 MPa
Elongation, min	35 %
Hardness	Not specified

Heat treatment

Solution annealed at 1040 °C min, rapid cool

Typical service

Welded corrosion-resistant piping

Supplied by Teshi Group in this grade

Industrial Pipes (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.

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