

API 5L X42 Pipe - Data Sheet

Mejor Steel, export sourcing for steel pipe and OCTG | <https://mejorsteel.com/get-a-quote/>

Supply range

Outside diameter 1/2 inch - 48 inch (12.7 - 1219 mm); seamless normally up to 24 inch

Wall thickness 3.2 - 40 mm (SCH 10 - SCH 160, or by wall thickness)

Length SRL 5.8 m, DRL 11.8 m, 20 FT, 40 FT, or random 6 - 18 m

Ends Plain end, beveled end, threaded with coupling

Surface treatment Black varnish, 3PE / 3LPE, FBE, 3PP, bare

Manufacturing process Hot rolled seamless, ERW, LSAW, SSAW

Delivery standard API 5L / ISO 3183, PSL1 or PSL2

Delivery condition Normalized (N), quenched and tempered (Q), thermomechanically rolled (M)

Inspection and documentation

Inspection Inspected by the producing mill's own inspection department, which is independent of production, against the delivery standard above. Third-party inspection - SGS, BV or TUV, or an inspector you send yourself - can be arranged at the mill or before shipment; give us the dates and the scope at the order stage.

Certificate A mill test certificate to EN 10204 3.1 showing the heat number, the chemical composition and the mechanical results is standard on every order. EN 10204 3.2, countersigned by the inspector you nominate, is available on request.

Documents with the goods The mill test certificate and the packing list travel with the shipment, and the heat number is traceable from cast through to the finished product.

Packing Sea-worthy export packing: bundled by size with end protection, corrosion protection on request, stencilled with the size, grade and heat number.

MOQ One bundle or one truckload; mixed sizes within a bundle accepted.

Lead time Counted from order confirmation, not from the enquiry. Stock sizes 7-15 days; mill run or non-stock 4-6 weeks. The delivery window is fixed on the quotation.

How we supply Sourced through partner mills; the producing mill is named on the quotation.

Chemical composition

Grade / Delivery condition	C	Si	Mn	P	S	CE(IIW)
X42N - normalized	0.24	0.40	1.20	0.025	0.015	0.43
X42Q - quenched and tempered	0.18	0.45	1.40	0.025	0.015	0.43
X42M - thermomechanical (TMCP)	0.22	0.45	1.30	0.025	0.015	0.43

Mechanical properties

Grade	ISO 3183 designation	Yield strength	Tensile strength	Yield / tensile ratio max	Elongation
X42 PSL1	L290	290 MPa min (42,000 psi)	414 MPa min (60,000 psi)	not specified	per formula
X42 PSL2	L290	290 - 496 MPa (42,000 - 72,000 psi)	414 - 758 MPa (60,000 - 110,000 psi)	0.93	per formula

Source

Source: chemical composition requirements of API 5L / ISO 3183, Table 4 (PSL 1) and Table 5 (PSL 2). The standard is the governing document.

Source: tensile requirements of API 5L / ISO 3183, Table 7. The standard is the governing document.

X42 PSL1 sets a minimum yield only; PSL2 sets a band with a ceiling and caps the yield/tensile ratio at 0.93. Source: this page's own grade table.

Page: <https://mejorsteel.com/standards/api-5l-x42-pipe/> | The standard is the governing document. MOQ, lead time and price are confirmed on request.