API 5L X80

Line pipe

EQUIVALENT GRADES

India (IS)	AM/NS and Jindal Steel API 5L X80 plate and coil
USA (ASTM / AISI / SAE)	API 5L X80M PSL2
Europe (EN)	L555ME (EN ISO 3183)
China (GB)	L555M (GB/T 9711)

CHEMICAL COMPOSITION (WEIGHT %)

C	Si	Mn	P
max 0.12	**max 0.45**	**max 1.85**	**max 0.025**

S
max 0.015

PROPERTIES

Mechanical (typical)	Yield 555–705 MPa | Tensile 625–825 MPa (PSL2)
Density	7.85 g/cm3 (7,850 kg/m3)
Typical uses	Mostly used for high-pressure gas transmission pipelines
Notes	Nb + V + Ti max 0.15. CE limits apply (CEIIW / CEPcm). X80 is supplied as thermomechanically rolled (M) plate or coil.

SUPPLY

Enquiry	Send grade, product form, size, quantity and delivery location for a quotation. Mill test certificates as per order.
Online	Equivalents, full chemistry by standard and weight calculator: https://steelimp.com/api-5l-x80-equivalent-grades

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Enquiry: steelimp.com/quote.php

Reference values compiled from published standards. Confirm against the governing standard, product form and the mill test certificate. Generated 13 Nov 2026.

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REFERENCE-USE NOTICE

The toolkit may contain errors. Manually verify dimensions, calculations and specifications against the applicable standard and supplier documentation before purchase, fabrication or use.

Read this notice with the source, material, condition and scope notes accompanying the preceding grade datasheet.

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