

API 5L

Line pipe · Material no. **Leitungsrohr**

API 5L is the international specification for line pipe in oil, gas and water transport – from Grade B up to high-strength grades such as X60, X65 and X70.

Leitungsrohr MATERIAL NO.	245–485 MPa (Grade B–X70) YIELD STRENGTH SMYS	≥ 415–570 MPa TENSILE STRENGTH RM	line pipe for oil, gas & water SERVICE TEMP.
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Application

- Oil and gas pipelines
- Water and media transport lines
- Trunk and gathering lines

Chemical composition (typical, wt.-%, per EN)

Element	Content (%)
C	≤ 0.24
Mn	≤ 1.40
P	≤ 0.025
S	≤ 0.015
Type	PSL1 / PSL2
Manufacture	nahtlos / geschweißt

Mechanical properties (typical at RT, per EN)

Property	Value
Yield strength SMYS	245–485 MPa (Grade B–X70)
Tensile strength Rm	≥ 415–570 MPa
Grades	B · X42 · X52 · X60 · X65 · X70
Connections	Schweißfase / glattes Ende

Standards & supply

Topic	Detail
Standards	API 5L (ISO 3183)
ASME/ASTM equivalent	Grade B ~ ASTM A106 B
Short name / aka	Öl- & Gas-Pipeline · Grade B–X70
Product forms	Pipes, flanges, fittings – seamless/welded, EN 10204 3.1/3.2 mill certificate

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All data are typical values per the relevant EN standards for first orientation – without warranty. The applicable standard and the mill certificate of the delivery are decisive.