

Mechanical Properties: A106 Gr.B vs API 5L Gr.B

astm-a106-api-5l

Property	ASTM A106 Gr.B	API 5L Gr.B (L245)
Min. yield strength	240 MPa	245 MPa
Min. tensile strength	415 MPa	415 MPa
Production	Seamless	Seamless or Welded
Main use	High-temperature service	Line pipe
Authority	ASTM	API

Page note: As shown, there is no significant mechanical difference between the two grades.

ASTM source / basis: ASTM International — ASTM A106/A106M-26.