

Mechanical properties

astm-a106

Grade	Minimum tensile strength (TS)	Minimum yield strength (YS)
Grade A	330 MPa	205 MPa
Grade B	415 MPa	240 MPa
Grade C	485 MPa	275 MPa

Page note: Minimum elongation depends on specimen type, cross-sectional area and the standard's calculation rules. It should not be represented as one fixed percentage for every pipe size.

ASTM source / basis: ASTM International — ASTM A106/A106M-26; ASTM A530/A530M-18.