Mechanical properties and hardness

astm-a210

Grade	Minimum TS	Minimum YS	Minimum elongation	Maximum hardness
A-1	415 MPa	255 MPa	30%	79 HRB / 143 HBW
C	485 MPa	275 MPa	30%	89 HRB / 179 HBW

Page note: ASTM A210 tubing is normally ordered by outside diameter, minimum wall thickness and length. Inch-pound and SI values are separate standard systems and should not be mixed.

ASTM source / basis: ASTM International — ASTM A210/A210M-26; ASTM A450/A450M-25a.