

Mechanical properties and hardness

astm-a192

Property	ASTM A192 limit	Requirement
Minimum tensile strength (TS)	325 MPa	Minimum
Minimum yield strength (YS)	180 MPa	Minimum
Minimum elongation	35%	Standard specimen
Rockwell hardness	77 HRB	Maximum
Brinell hardness	137 HBW	Maximum

Page note: ASTM A192 tubing is commonly ordered by outside diameter, minimum wall thickness and length. Inside diameter must suit flow, pressure drop, deposit control and maintenance requirements.

ASTM source / basis: ASTM International — ASTM A192/A192M-24; ASTM A450/A450M-25a.