Chemical composition

astm-a106

Element	Grade A	Grade B	Grade C
Carbon, C (max)	0.25%	0.30%	0.35%
Manganese, Mn	0.27–0.93%	0.29–1.06%	0.29–1.06%
Phosphorus, P (max)	0.035%	0.035%	0.035%
Sulfur, S (max)	0.035%	0.035%	0.035%
Silicon, Si (min)	0.10%	0.10%	0.10%
Chromium, Cr (max)	0.40%	0.40%	0.40%
Copper, Cu (max)	0.40%	0.40%	0.40%
Molybdenum, Mo (max)	0.15%	0.15%	0.15%
Nickel, Ni (max)	0.40%	0.40%	0.40%
Vanadium, V (max)	0.08%	0.08%	0.08%

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