

Incoloy 020

UNS N08020

W.Nr. 2.4660

Iron

Nickel

Chromium

Molybdenum

Copper

Niobium

www.arialloy.com/incoloy-020/

• Chemical Composition •

C%	Mn%	P%	S%	Si%	Ni%
≤ 0.07	≤ 2.00	≤ 0.045	≤ 0.035	≤ 1.00	32.0 ~ 38.0
Cr%	Mo%	Cu%	Nb% + Ta%	Fe%	
19.0 ~ 21.0	2.0 ~ 3.0	3.0 ~ 4.0	8×C% ~ 1.0	Balance	

• Mechanical Properties •

Product	Condition	T.S.	Y.S.	EL	RA	Hardness
		MPa, min	MPa, min	%, min	%, min	HRB, max
Seamless Pipe & Tube	All	550	240	30	...	...
Welded Pipe & Tube	All	551	241	30	...	...
Bars	Annealed	551	241	30	50	...
Bars	≥ 25.4mm Annealed & Strain-hardened	620	415	15	40	...
Wire	All	620 ~ 830	...	...	...	...
Sheet, Strip & Plate	All	551	241	30	...	95

• Physical Properties •

Density	
lb/in ³	g/cm ³
0.292	8.08

• Main Standards •

Rod, Bar, Wire & Forging Stock	Plate, Sheet & Strip	Pipe & Tube	Fittings
ASTM A472/ASME SA 472 ASTM A473/ASME SA 473 ASTM A475/ASME SA 475	ASTM B463/ASME SB 463 ASTM B906/ASME SB 906 ASTM A240/ASME SA 240 ASTM A480/ASME SA 480	ASTM B729/ASME SB 729 ASTM B829/ASME SB 829 ASTM B464/ASME SB 464 ASTM B775/ASME SB 775 ASTM B468/ASME SB 468 ASTM B751/ASME SB 751	ASTM B366/ASME SB 366 ASTM B462/ASME SB 462