

Incoloy

25-6HN

UNS N08367

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Iron

Nickel

Chromium

Molybdenum

Nitrogen

www.arialloy.com/incoloy-256hn/

• Chemical Composition •

C%	Mn%	P%	S%	Si%	Cr%
≤ 0.030	≤ 2.00	≤ 0.040	≤ 0.030	≤ 1.00	20.0 ~ 22.0
Ni%	Mo%	N%	Fe%	Cu%	
23.5 ~ 25.5	6.0 ~ 7.0	0.18 ~ 0.25	Balance	≤ 0.75	

• Mechanical Properties •

Product	Condition	T.S.	Y.S.	EL	RA	Hardness
		MPa, min	MPa, min	%, min	%, min	max
Welded Pipe & Tube	≤ 4.8mm	690	310	30	...	...
Welded Pipe & Tube	> 4.8mm	655	310	30	...	...
Bars & Wire	All	655	310	30	...	...
Sheet, Strip & Plate	≤ 4.8mm	690	310	30	...	100HRB
Sheet, Strip & Plate	> 4.8mm	655	310	30	...	240HBN

• Physical Properties •

Density		Melting Range	
lb/in ³	g/cm ³	°F	°C
0.290	8.02	2470 ~ 2560	1354 ~ 1404

• Main Standards •

Rod, Bar, Wire & Forging Stock	Plate, Sheet & Strip	Pipe & Tube	Fittings
ASTM B691/ASME SB 691 ASTM B564/ASME SB 564 ASTM B472/ASME SB 472	ASTM B688/ASME SB 688 ASTM A240/ASME SA 240	ASTM B675/ASME SB 675 ASTM B676/ASME SB 676 ASTM B804/ASME SB 804	ASTM B366/ASME SB 366 ASTM B462/ASME SB 462