

Hastelloy G-35

UNS N06035

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Nickel

Chromium

Molybdenum

www.arialloy.com/hastelloy-g35/

• Chemical Composition •

Mo%	Cr%	Fe%	W%	Co%	C%	Si%
7.60 ~ 9.00	32.25 ~ 34.25	≤ 2.00	≤ 0.60	≤ 1.00	≤ 0.050	≤ 0.60
Mn%	V%	P%	S%	Ni%	Al%	Cu%
≤ 0.50	≤ 0.20	≤ 0.030	≤ 0.015	Balance	≤ 0.40	≤ 0.30

• Mechanical Properties •

Product	Condition	T.S.	Y.S.	EL	RA	Hardness
		MPa, min	MPa, min	%, min	%, min	HRB, max
Pipe & Tube	All	586	241	30	...	...
Bar & Rod	All	586	241	30	...	...
Sheet, Plate & Strip	All	586	241	30	...	100

• Physical Properties •

Density		Melting Range	
lb/in ³	g/cm ³	°F	°C
0.297	8.22	2430 ~ 2482	1332 ~ 1361

• Main Standards •

Billet, Rod & Bar	Plate, Sheet & Strip	Pipe & Tube	Fittings	Forgings	Welding Products
ASTM B574 ASME SB 574 ASTM B472 ASME SB 472	ASTM B575 ASME SB 575	ASTM B622/ASME SB 622 ASTM B619/ASME SB 619 ASTM B626/ASME SB 626	ASTM B366 ASME SB 366 ASTM B462 ASME SB 462	ASTM B564 ASME SB 564 ASTM B462 ASME SB 462	AWS A5.14/ ERNiCrMo-22 AWS A5.11/ ENiCrMo-22