

Refractaloy 26

Refractaloy 26 is an age-hardenable heat-resistant alloy of nickel-chromium-cobalt-iron, possessing high creep and endurance strengths along with high ductility at elevated temperatures up to about 550°C.

Chemical Composition, %

element	Cr	Ni	Fe	Co	Mo	Al	Ti	B	C	Mn	Si	P	S
min.	16.0	35.0		18.0	2.5		2.5	0.001					
max.	20.0	39.0	余	22.0	3.5	0.25	3.0	0.010	0.08	1.0	1.5	0.03	0.03

Chemical Composition according to SAE AMS. Some compositional limits of other specifications may vary slightly.

Designation and standards

National Standards	Material designation	Chemical composition	Forgings	Rod and bar
SAE	R-26		AMS 5760	AMS 5760
GB/T	R-26, GH26	DL/T 439		

Density 8.20g/cm³

Corrosion resistance

- high resistance to oxidation under cyclic conditions of heating and cooling

Applications

Typical applications are:

- gas and steam turbine bolting