

Cronidur 30 - AMS5898 - 1.4108

Chemical Properties

Element	Chemical Composition %
Carbon (C)	0.25 - 0.35
Silicon (Si)	0.00 - 1.00
Manganese (Mn)	0.00 - 1.00
Chromium (Cr)	14.00 - 16.00
Nickel (Ni)	0.00 - 0.50
Molybdenum (Mo)	0.85 - 1.10
Nitrogen (N)	0.30 - 0.50

Heat Treatment to achieve different properties

Hardness (HRc)	Hard.-Temp degc	Tempering degc	Corrosion resistance	Toughness
> 58	1030*	160 - 180	++	0
55 - 58	1030*	220 - 300	++	++
> 58	1030*	460 - 475	+	+
30 - 40	1000	550 - 620	+	+++

*deep freezing (DF),
-80°C, 60 min, air

Mechanical Properties

Property	Value
Hardness (HRc)	> 58
Yield Strength (MPa)	1850
Tensile Strength (MPa)	2150
Fracture Elongation (%)	3
Fracture Toughness	>20

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