

Material: SAE Inconel 722

Standard Specification for Nickel Alloy, Corrosion and Heat Resistant, Sheet and Strip

Group: Non-Ferrous Nickel Alloys

Sub Group: SAE Inconel 722 Nickel Alloy, Corrosion and Heat Resistant, Sheet and Strip

Application: Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry: Sheet and Strip

Chemical Composition			Heat Treatment	
Carbon	C %	0.080 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.700 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	14.000 - 17.000		
Copper	Cu %	0.500 max.		
Iron	Fe %	5.000 - 9.000		
Sulphur	S %	0.010 max.		
Titanium	Ti %	2.000 - 2.750		
Aluminium	Al %	0.400 - 1.000		
Cobalt	Co %	1.000 max.		
Nickel	Ni %	70.000 min.	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	862 min.
-	-	-	Yield Strength in Mpa	565 min.
-	-	-	Elongation in %	15 min.
-	-	-	Reduction of Area in %	15 min.
-	-	-	Hardness in HRC	23 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
N07722	UNS	USA	Sheet and Strip
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