



## 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.	<b>Mechanical Properties</b> 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   -	
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-	-	-		
-	-	-		
-	-	-		
-	-	-		

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

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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