

Material: UNS N04405

Standard Specification for Nickel - Copper Alloy, Corrosion-Resistant, Bars and Forgings

Group: Non-Ferrous Nickel Alloys

Sub Group: UNS N04405 Nickel - Copper Alloy, Corrosion-Resistant, Bars and Forgings

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

Grade Belongs to the Industry: Bar and Forging

Chemical Composition			Heat Treatment	
Carbon	C %	0.300 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.500 max.		
Manganese	Mn %	2.000 max.		
Sulphur	S %	0.025 - 0.060		
Iron	Fe %	2.500 max.		
Nickel	Ni %	63.000 - 70.000		
Copper	Cu %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 483 - 966 Yield Strength in Mpa 172 - 897 Elongation in % 4 - 50 Reduction of Area in % 50 - 70 Hardness in HRC 60 - 100 Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Monel R405	SAE	USA	Bar and Forging
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com