

# Material: SAE UNITEMP C276

## Standard Specification for Nickel and Nickel-Related Alloys

**Group:** Non-Ferrous Nickel Alloys

**Sub Group:** SAE UNITEMP C 276 Nickel and Nickel-Related Alloys

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

**Grade Belongs to the Industry:** Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.020 max.	As-Cast or Annealing or Age Hardning	
Chromium	Cr %	16.000 max.		
Iron	Fe %	6.000 max.		
Manganese	Mn %	1.000 max.		
Molybdenum	Mo %	16.000 max.		
Silicon	Si %	0.050 max.		
Tungsten	W %	4.000 max.		
Ni + Co	Ni% + Co%	57.000 min.		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	759 - 1000
-	-	-	Yield Strength in Mpa	462 - 828
-	-	-	Elongation in %	24 - 60
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HRC	90 - 105
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Hastelloy C276	SAE	USA	Casting
N10276	UNS	USA	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

**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](mailto:info@icastllp.com)