

# 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		
Carbon	C %	0.020 max.
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.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

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
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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