



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

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

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