

Material: UNS N10276

Standard Specification for Nickel and Nickel-Related Alloys

Group: Non-Ferrous Nickel Alloys

Sub Group: UNS N10276 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 %	14.500 - 16.500		
Iron	Fe %	4.000 - 7.000		
Manganese	Mn %	1.000 max.		
Molybdenum	Mo %	15.000 - 17.000		
Silicon	Si %	0.080 max.		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.030 max.		
Vanadium	V %	0.350 max.		
Tungsten	W %	4.000 max.		
Nickel	Ni %	Balance	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
UNITEMP C 276	SAE	USA	Casting
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-	-	-	-
-	-	-	-
-	-	-	-
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