



Material - UNS N30012

Standard Specification for Castings, Nickel and Nickel Alloy

Group - Non-Ferrous Nickel Alloys

Sub Group - UNS N30012 Castings, Nickel and Nickel Alloy

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.120 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	1.000 max.		
Iron	Fe %	4.000 - 6.000		
Molybdenum	Mo %	26.000 - 30.000		
Vanadium	V %	0.200 - 0.600		
Nickel	Ni %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	525 min.
			Yield Strength in Mpa	275 min.
			Elongation in %	6 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A 494 N7M	ASTM	USA	Casting
SA-494 N7M	ASME	USA	Casting
C-NiMo31	AFNOR NF	France	Casting
NC0012	AFNOR NF	France	Casting
ND30-M	AFNOR NF	France	Casting
N30007	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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