Material: DIN NiMo29Cr

Standard Specification for Nickel and Nickel-Iron Alloy Casting

Group: *Non-Ferrous Nickel Alloys*
Sub Group: *DIN NiMo29Cr Nickel and Nickel-Iron Alloy Casting*
Application: *Intended for Valve, Pump, General Engineering, Automotive and other Industries*
Grade Belongs to the Industry: *Casting*

Chemical Composition		
Carbon	C %	0.010 max.
Silicon	Si %	0.100 max.
Manganese	Mn %	3.000 max.
Iron	Fe %	1.000 - 6.000
Molybdenum	Mo %	26.000 - 32.000
Aluminium	Al %	0.100 - 0.500
Cobalt	Co %	3.000 max.
Chromium	Cr %	0.500 - 3.000
Copper	Cu %	0.500 max.
Phosphorus	P %	0.025 max.
Sulphur	S %	0.015 max.
Titanium	Ti %	0.200 max.
Vanadium	V %	0.200 max.
Tungsten	W %	3.000 max.
Nb + Ta	Nb% + Ta%	0.400 max.

Chemical Composition		
Nickel	Ni %	65.000 min.
-	-	-
-	-	-
-	-	-
-	-	-
Heat Treatment		
As-Cast or Annealing or Age Hardning		
Mechanical Properties		
Tensile Strength in Mpa	750 min.	
Yield Strength in Mpa	340 min.	
Elongation in %	35 min.	
Reduction of Area in %	-	
Hardness in BHN	250 max.	
Impact in Joule	-	

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
2.4600	DIN	Germany	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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