Material: DIN 2.4365

Standard Specification for Nickel and Nickel-Copper Alloy Casting

Group: *Non-Ferrous Nickel Alloys*
Sub Group: *DIN 2.4365 Nickel and Nickel-Copper Alloy Casting*
Application: *Intended for Valve, Pump, General Engineering, Automotive and other Industries*
Grade Belongs to the Industry: *Casting*

Chemical Composition		
Carbon	C %	0.150 max.
Silicon	Si %	0.500 - 1.500
Manganese	Mn %	0.500 - 1.500
Copper	Cu %	26.000 - 33.000
Iron	Fe %	1.000 - 2.500
Aluminium	Al %	0.500 max.
Magnesium	Mg %	0.120 max.
sulphur	S %	0.010 max.
Titanium	Ti %	0.200 max.
Niobium	Nb %	1.000 - 1.500
Lead	Pb %	0.010 max.
Other	Ot%	1.000 max.
Ni + Co	Ni% + Co%	62.000 - 68.000
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardening

Mechanical Properties	
Tensile Strength in Mpa	450 min.
Yield Strength in Mpa	220 min.
Elongation in %	25 min.
Reduction of Area in %	-
Hardness in BHN	120 min.
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
G-NiCu30Nb	DIN	Germany	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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