

Material: DIN G-NiCu30Si4

Standard Specification for Nickel and Nickel-Copper Alloy Casting

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN G-NiCu30Si4 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			Heat Treatment	
Carbon	C %	0.250 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	3.500 - 4.500		
Manganese	Mn %	0.500 - 1.500		
Copper	Cu %	27.000 - 31.000		
Iron	Fe %	1.000 - 2.500		
Aluminium	Al %	0.500 max.		
Magnesium	Mg %	0.120 max.		
sulphur	S %	0.010 max.		
Phosphorus	P %	0.010 max.		
Titanium	Ti %	0.200 max.		
Other	Ot%	1.000 max.	Mechanical Properties Tensile Strength in Mpa 750 min. Yield Strength in Mpa 500 min. Elongation in % 1 min. Reduction of Area in % - Hardness in HB 260 min. Impact in Joule -	
Ni + Co	Ni% + Co%	61.000 - 68.000		
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
2.4368	DIN	Germany	Casting
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