



Material - DIN 2.4367

Standard Specification for Nickel and Nickel-Copper Alloy Casting

Group - Non-Ferrous Nickel Alloys

Sub Group - DIN 2.4367 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 %	2.700 - 3.700																
Magnesium	Mg %	0.120 max.																
Copper	Cu %	27.000 - 33.000																
Iron	Fe %	1.000 - 2.500																
Aluminium	Al %	0.500 - 1.500																
sulphur	S %	0.010 max.																
Lead	Pb %	0.010 max.																
Titanium	Ti %	0.200 max.																
Other	Ot%	1.000 max.																
Ni + Co	Ni% + Co%	61.000 - 68.000	<table border="1"> <thead> <tr> <th colspan="2">Mechanical Properties</th> </tr> </thead> <tbody> <tr> <td>Tensile Strength in Mpa</td> <td>650 min.</td> </tr> <tr> <td>Yield Strength in Mpa</td> <td>350 min.</td> </tr> <tr> <td>Elongation in %</td> <td>10 min.</td> </tr> <tr> <td>Reduction of Area in %</td> <td>-</td> </tr> <tr> <td>Hardness in HB</td> <td>220 min.</td> </tr> <tr> <td>Impact in Joule</td> <td>-</td> </tr> </tbody> </table>		Mechanical Properties		Tensile Strength in Mpa	650 min.	Yield Strength in Mpa	350 min.	Elongation in %	10 min.	Reduction of Area in %	-	Hardness in HB	220 min.	Impact in Joule	-
Mechanical Properties																		
Tensile Strength in Mpa	650 min.																	
Yield Strength in Mpa	350 min.																	
Elongation in %	10 min.																	
Reduction of Area in %	-																	
Hardness in HB	220 min.																	
Impact in Joule	-																	
-	-	-																
-	-	-																
-	-	-																
-	-	-																
-	-	-																

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G-NiCu30Si3	DIN	Germany	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.