



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

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			Heat Treatment															
Carbon	C %	0.150 max.	As-Cast or Annealing or Age Hardning															
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																
-	-	-	<table border="1"> <thead> <tr> <th colspan="2">Mechanical Properties</th> </tr> </thead> <tbody> <tr> <td>Tensile Strength in Mpa</td> <td>450 min.</td> </tr> <tr> <td>Yield Strength in Mpa</td> <td>220 min.</td> </tr> <tr> <td>Elongation in %</td> <td>25 min.</td> </tr> <tr> <td>Reduction of Area in %</td> <td>-</td> </tr> <tr> <td>Hardness in BHN</td> <td>120 min.</td> </tr> <tr> <td>Impact in Joule</td> <td>-</td> </tr> </tbody> </table>		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	-
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
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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.

ONE STOP SOLUTION FOR METAL PARTS