



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - UNS N03301

Standard Specification for Nickel Alloy for Special Metals Corporation

Group - Non-Ferrous Nickel Alloys

Sub Group - UNS N03301 Nickel Alloy for Special Metals Corporation

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.300 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.000 max.		
Manganese	Mn %	0.500 max.		
Copper	Cu %	0.250 max.		
Sulphur	S %	0.010 max.		
Aluminium	Al %	4.000 - 4.750		
Iron	Fe %	0.600 max.		
Titanium	Ti %	0.250 - 1.000		
Nickel	Ni %	93.000 min.		
-	-	-		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	620 - 1655
-	-	-	Yield Strength in Mpa	205 - 1210
-	-	-	Elongation in %	2 - 55
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	135 - 380
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
DuraNickel 301	Gravity	India	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