

Material - Gravity Udimet Alloy L-605

Standard Specification for Nickel-Iron Alloy Pipe, Tube, Sheet, Strip, Plate, Round Bar, Flat Bar, Forging Stock, Hexagon and Wire

Group - Non-Ferrous Cobalt Alloys

Sub Group - Gravity Udimet Alloy L-605 Nickel-Iron Alloy Pipe, Tube, Sheet, Strip, Plate, Round Bar, Flat Bar, Forging Stock, Hexagon and Wire

Application - Intended for Valve, Pump, General Engineering, Automotive, Medical and other Industries Grade Belongs to the Industry - Pipe, Tube, Sheet, Strip, Plate, Hexagon and Wire

Chemical Composition			Heat Treatment	
Carbon	C %	0.050 - 0.150		
Silicon	Si %	0.400 max.		
Manganese	Mn %	1.000 - 2.000		
Chromium	Cr %	19.000 - 21.000	As-Cast or Annealing or Age Hardning	
Sulphur	S %	0.030 max.		
Phosphorus	P %	0.040 max.		
Nickel	Ni %	9.000 - 11.000		
Tungsten	W %	14.000 - 16.000		_
Iron	Fe %	3.000 max.	Mechanical Properties	
Cobalt	Co %	Balance	Tensile Strength in Mpa	994 - 1935.9
-	-	-	Yield Strength in Mpa	466 - 1931.2
-	-	-	Elongation in %	6.453 - 50
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impac <mark>t in Joule</mark>	-

Cross Reference Table				
Material	Standard	Country Grade Belong to the Industry		
R30605	UNS	USA	Casting	
L-605	SAE	USA	Sheet, Strip, Foil and Plate	
F2527 R30605	ASTM	USA	Sheet, Strip, Foil and Plate	
5832-4	ISO	International	Casting	
5832-5	ISO	International	Casting	
7402-3	JIS	Japan	Casting	
F 90 R30605	ASTM	USA	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

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