



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - UNS N09979

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

Group - Non-Ferrous Nickel Alloys

Sub Group - UNS N09979 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 and other Industries

Grade Belongs to the Industry - Pipe, Tube, Sheet, Strip, Plate, Hexagon and Wire

Chemical Composition			Heat Treatment	
Carbon	C %	0.080 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.750 max.		
Manganese	Mn %	0.750 max.		
Chromium	Cr %	14.000 - 16.000		
Molybdenum	Mo %	3.000 - 4.500		
Aluminium	Al %	0.750 - 1.300		
Boron	B %	0.008 - 0.016		
Titanium	Ti %	2.700 - 3.300		
Tungsten	W %	3.750 - 4.500		
Nickel	Ni %	42.000 - 48.000		
Phosphorus	P %	0.015 max.		
Sulphur	S %	0.015 max.		
Zirconium	Zr %	0.050 max.		
Iron	Fe %	Balance		
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-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Udimet D-979	Gravity	India	Pipe, Tube, Sheet, Strip, Plate, Hexagon and Wire
K66979	UNS	USA	Pipe, Tube, Sheet, Strip, Plate, Hexagon and Wire
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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