Material - UNS N10624

Standard Specification for Nickel and Nickel-Cobalt Alloy Tube

Group - Non-Ferrous Nickel Alloys

Sub Group - UNS N10624 Nickel and Nickel-Cobalt Alloy Tube

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

Grade Belongs to the Industry - Tube

Chemical Composition			Heat Treatment	
Carbon	C %	0.010 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.100 max.		
Manganese	Mn %	1.000 max.		
Copper	Cu %	0.500 max.		
Sulphur	S %	0.010 max.		
Chromium	Cr %	6.000 - 10.000		
Phosphorus	P %	0.025 max.		
Molybdenum	Mo %	21.000 - 25.000		
Cobalt	Co %	1.000 max.	**Mechanical Properties**	
Iron	Fe %	5.000 - 8.000	Tensile Strength in Mpa	720 min.
Aluminium	Al %	0.500 max.	Yield Strength in Mpa	320 min.
Nickel	Ni %	Balance	Elongation in %	40 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
B 333 N10624	ASTM	USA	Plate, Sheet and Strip
B 335 N10624	ASTM	USA	Rod
B 564 N10624	ASTM	USA	Forging
B 619 N10624	ASTM	USA	Pipe
B 622 N10624	ASTM	USA	Pipe and Tube
B 626 N10624	ASTM	USA	Tube
-	-	-	-

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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