

Material: ASTM B 564 N06035

Standard Specification for Nickel Alloy Forgings

Group: Non-Ferrous Nickel Alloys

Sub Group: ASTM B 564 N06035 Nickel Alloy Forgings

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

Grade Belongs to the Industry: Forging

Chemical Composition			Heat Treatment	
Carbon	C %	0.050 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.600 max.		
Manganese	Mn %	0.500 max.		
Chromium	Cr %	32.250 - 34.250		
Sulphur	S %	0.015 max.		
Molybdenum	Mo %	7.600 - 9.000		
Phosphorus	P %	0.030 max.		
Cobalt	Co %	1.000 max.		
Copper	Cu %	0.300 max.		
Aluminium	Al %	0.400 max.		
Iron	Fe %	2.000 max.	Mechanical Properties	
Tungsten	W %	0.600 max.	Tensile Strength in Mpa	586 min.
Vanadium	V %	0.200 max.	Yield Strength in Mpa	241 min.
Nickel	Ni %	Balance	Elongation in %	30 min.
-	-	-	Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 574 N06035	ASTM	USA	Rod
B 575 N06035	ASTM	USA	Plate, Sheet and Strip
B 462 N06035	ASTM	USA	Pipe Flanges, Forged Fittings and Valve
B 619 N06035	ASTM	USA	Pipe
B 622 N06035	ASTM	USA	Pipe and Tube
B 626 N06035	ASTM	USA	Tube
B 472 N06035	ASTM	USA	Billets and Bars

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