Material: ASTM B 546 N06617

Standard Specification for Electric Fusion Ni-Cr-Co-Mo Alloy, Ni-Cr-Fe-Al Alloy, Ni-Cr-Fe Alloy, and Ni-Cr-Fe-Si Alloy Pipe

Group: *Non-Ferrous Nickel Alloys*

Sub Group: *ASTM B 546 N06617 Electric Fusion Ni-Cr-Co-Mo Alloy, Ni-Cr-Fe-Al Alloy, Ni-Cr-Fe Alloy, and Ni-Cr-Fe-Si Alloy Pipe*

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

Grade Belongs to the Industry: *Pipe*

Chemical Composition		
Carbon	C %	0.050 - 0.150
Silicon	Si %	1.000 max.
Manganese	Mn %	1.000 max.
Copper	Cu %	0.500 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	20.000 - 24.000
Cobalt	Co %	10.000 - 15.000
Molybdenum	Mo %	8.000 - 10.000
Iron	Fe %	3.000 max.
Aluminium	Al %	0.800 - 1.500
Nickel	Ni %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

Mechanical Properties	
Tensile Strength in Mpa	655 min.
Yield Strength in Mpa	240 min.
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 166 N06617	ASTM	USA	Rod, Bar and Wire
B 167 N06617	ASTM	USA	Pipe and Tube
B 168 N06617	ASTM	USA	Plate, Sheet and Strip
B 564 N06617	ASTM	USA	Forging
B 626 N06617	ASTM	USA	Tube
-	-	-	-
-	-	-	-

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