

Material: ASTM A 560 50 Cr-50 Ni-Cb

Standard Specification for Castings, Chromium-Nickel Alloy

Group: Non Ferrous Nickel Alloys

Sub Group: ASTM A 560 50 Cr-50 Ni-Cb Chromium-Nickel Alloy

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

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	0.100 max.
Silicon	Si %	0.500 max.
Manganese	Mn %	0.300 max.
Phosphorus	P %	0.020 max.
Sulphur	S %	0.020 max.
Chromium	Cr %	47.000 - 52.000
Iron	Fe %	1.000 Max.
Nickel	Ni %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Annealing or Hardening + Tempering

Mechanical Properties	
Tensile Strength in Mpa	550 min.
Yield Strength in Mpa	345 min.
Elongation in %	5 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
-	-	-	-
-	-	-	-
-	-	-	-
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