

## Material: ASTM B 344 Ni80-Cr20

### Standard Specification for Drawn or Rolled Nickel-Chromium and Nickel-Chromium-Iron Alloys for Electrical Heating Elements

**Group:** Non-Ferrous Nickel Alloys

**Sub Group:** ASTM B 344 80Ni-Cr20 Drawn or Rolled Nickel-Chromium and Nickel-Chromium-Iron Alloys for Electrical Heating Elements

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

**Grade Belongs to the Industry:** Wire & Strip with Hot & Cold Rolled

Chemical Composition			Heat Treatment	
Carbon	C %	0.150 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.750 - 1.750		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	19.000 - 21.000		
Sulphur	S %	0.010 max.		
Iron	Fe %	1.000 max.		
Nickel	Ni %	Balance		
-	-	-		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa - Yield Strength in Mpa - Elongation in % 10 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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