

Material: AMS 5351

Standard Specification for Steel Castings, Sand, Corrosion and Moderate Heat Resistant 13Cr Normalized and Tempered

Group: Ferrous Stainless Steel Alloys

Sub Group: AMS 5351 Steel Castings, Sand, Corrosion and Moderate Heat Resistant 13Cr Normalized and Tempered

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.150 max.	Annealing or Hardening + Tempering	
Silicon	Si %	1.500 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	11.500 - 14.000		
Nickel	Ni %	1.000 max.		
Molybdenum	Mo %	0.500 max.		
Aluminium	Al %	0.050 max.		
Tin	Sn %	0.050 max.		
Copper	Cu %	0.500 max.	Mechanical Properties	
Iron	Fe %	Balance	Tensile Strength in Mpa	620 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	-
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	217 - 248
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
410	AISI	USA	Bar, Wire, Shapes and Forging
410 C 21	BS	British	Casting
15ch13L	GOST	Russia	Casting
385 G X 12 Cr 13	SFS	Finland	Casting
A217 CA 15	ASTM	USA	Casting
A 487 CA 15	ASTM	USA	Casting
A743 CA 15	ASTM	USA	Casting

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