

Material: AMS 1030

Standard Specification for Steel Castings, Carbon and Alloy Chemical Requirements Similar to Standard Wrought Grades

Group: Ferrous Mild Steel Alloys

Sub Group: AMS 1030 Steel Castings, Carbon and Alloy Chemical Requirements Similar to Standard Wrought Grades

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

Grade Belongs to the Industry: Bar, Wire, Tube and Forging

Chemical Composition			Heat Treatment	
Carbon	C %	0.280 - 0.340	As- Cast or Normalizing or Annealing or Hardening + Tempering	
Silicon	Si %	0.080 - 0.600		
Manganese	Mn %	0.600 - 0.900		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.050 max.		
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-	-	-		
-	-	-		
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			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	470 min.
-	-	-	Yield Strength in Mpa	260 min.
-	-	-	Elongation in %	12 min.
-	-	-	Reduction of Area in %	35 - 42
-	-	-	Hardness in HB	137 - 149
-	-	-	Impact in Joule	75 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J03012	UNS	USA	Casting
1025	AISI	USA	Bar, Wire, Tube and Forging
1030	SAE	USA	Bar, Wire, Tube and Forging
1030	AMS	USA	Bar, Wire, Tube and Forging
A915 Grade SC 1030	ASTM	USA	Casting
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Customer Care: +91-99090 45075 Email: info@icastllp.com