

Material: ASTM A915 Grade SC 1030

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

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A915 Grade SC 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: *Casting*

Chemical Composition			Heat Treatment
Carbon	C %	0.280 - 0.340	As- Cast or Normalizing or Annealing or Hardening + Tempering
Silicon	Si %	0.300 - 0.600	
Manganese	Mn %	0.500 - 0.900	
Phosphorus	P %	0.040 max.	
Sulphur	S %	0.040 max.	
Iron	Fe %	Balance	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
Mechanical Properties			
Tensile Strength in Mpa			470 min.
Yield Strength in Mpa			260 min.
Elongation in %			20 min.
Reduction of Area in %			-
Hardness in BHN			137
Impact in Joule			75 J @ RT

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