

Material: ASTM A915 Grade SC 1020

Standard Specification for Steel Castings, Ferritic and Martensitic, for Pressure-Containing and Other Applications, for Low-Temperature Service

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A915 Grade SC 1020 Ferritic and Martensitic Steel Castings for Pressure-Containing and Low-Temperature Service

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.180 - 0.230	As- Cast or Normalizing or Annealing or Hardening + Tempering	
Silicon	Si %	0.300 - 0.600		
Manganese	Mn %	0.400 - 0.800		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-	Mechanical Properties Tensile Strength in Mpa 450 min. Yield Strength in Mpa 240 min. Elongation in % 24 min. Reduction of Area in % 35 min. Hardness in BHN - Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J02003	UNS	USA	Casting
1020	AISI	USA	Bar, Wire, Tube and Forging
1020	SAE	USA	Bar, Wire, Tube and Forging
1020	AS	Australia	Bar, Wire, Tube and Forging
1020	AMS	USA	Bar, Wire, Tube and Forging
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