

## Material: ASTM A915 Grade SC 1025

## **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 1025 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 %	0.220 - 0.280	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			379 min.
Yield Strength in Mpa			248 min.
Elongation in %			22 min.
Reduction of Area in %			-
Hardness in BHN			-
Impact in Joule			-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J02508	UNS	USA	Casting
1025	AISI	USA	Bar, Wire, Tube and Forging
1025	SAE	USA	Bar, Wire, Tube and Forging
1025	AS	Australia	Bar, Wire, Tube and Forging
1025	AMS	USA	Bar, Wire, Tube and Forging
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