

Material: AMS 1025

Standard Specification for Steel, Sheet, Strip, Uncoated and Carbon

Group: Ferrous Stainless Steel Alloys

Sub Group: AMS 1025 Steel, Sheet, Strip, Uncoated and Carbon

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

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

Chemical Composition		
Carbon	C %	0.220 - 0.300
Manganese	Mn %	0.300 - 0.600
Phosphorus	P %	0.040 max.
Sulphur	S %	0.050 max.
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Heat Treatment
As- Cast or Normalizing or Annealing or Hardening + Tempering

Mechanical Properties	
Tensile Strength in Mpa	380 min.
Yield Strength in Mpa	249 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
1025.0000	AISI	USA	Bar, Wire, Tube and Forging
1025.0000	SAE	USA	Bar, Wire, Tube and Forging
S1025	AS	Australia	Bar, Wire, Tube and Forging
A915 Grade SC 1025	ASTM	USA	Casting
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