Material: AISI 1522

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled Steel and Bar

Group: *Ferrous Mild Steel Alloys*
Sub Group: *AISI 1522 Carbon Steel Compositions For Forging To Hot-Rolled Steel and Bar*
Application: *Intended for Valve, Pump, General Engineering, Automotive and Other Industries*
Grade Belongs to the Industry: *Steel and Bar*

Chemical Composition		
Carbon	C %	0.180 - 0.240
Manganese	Mn %	1.100 - 1.140
Phosphorus	P %	0.040 max.
Sulphur	S %	0.050 max.
Boron	B %	0.0005 - 0.003
Aluminium	Al %	0.020 max.
Copper	Cu %	0.200 max.
Niobium	Nb %	0.025 max.
Silicon	Si %	0.100 max.
Vanadium	V %	0.050 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw or Annealing or Normalizing or Hardening and Tempering

Mechanical Properties	
Tensile Strength in Mpa	410 min.
Yield Strength in Mpa	340 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**
G15220	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1522	SAE	USA	Bars, Wire Rod and Tubing
A 29 1522	ASTM	USA	Steel and Bar
A 510 1522	ASTM	USA	Wire Rods, Round Wire and Steel
A 576 15L22	ASTM	USA	Steel and Bar
-	-	-	-
-	-	-	-

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