

Material: SAE NV 2

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Valve

Group: Ferrous Mild Steel Alloys

Sub Group: SAE NV 2 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Valve

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

Grade Belongs to the Industry: Valve

Chemical Composition		
Carbon	C %	0.430 - 0.510
Manganese	Mn %	1.350 - 1.650
Phosphorus	P %	0.040 max.
Sulphur	S %	0.050 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
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-	-	-

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

Mechanical Properties	
Tensile Strength in Mpa	1240 min.
Yield Strength in Mpa	1140 min.
Elongation in %	15 min.
Reduction of Area in %	40 min.
Hardness in HRC	40 max.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G15470	SAE	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1547	SAE	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1547	SAE	USA	Bar and Steel
SMnC443	JIS	Japan	Steel
SMnC443	SAE	USA	Valve
A 576 15L47	ASTM	USA	Steel and Bar
A 510 1547	ASTM	USA	Wire Rod, Round Wire and Steel

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