

Material: IS 2062 E 350

Standard Specification for Hot Rolled Medium and High Tensile Structural Steel

Group: Ferrous Mild Steel Alloy

Sub Group: IS 2062 E 350 Hot Rolled Medium and High Tensile Structural Steel

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

Grade Belongs to the Industry: Steel, Plate, Wire, Rod, Tube and Forging

Chemical Composition		
Carbon	C %	0.200 max.
Silicon	Si %	0.450 max.
Manganese	Mn %	1.550 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.045 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Quench and Temper

Mechanical Properties	
Tensile Strength in Mpa	490 min.
Yield Strength in Mpa	320 min.
Elongation in %	22 min.
Reduction of Area in %	-
Hardness in BHN	170 - 207
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1018.0000	SAE	USA	Steel, Plate, Wire, Rod, Tube and Forging
1018	AISI	USA	Steel, Plate, Wire, Rod, Tube and Forging
A 830 G10180	ASTM	USA	Steel, Plate, Wire, Rod, Tube and Forging
G10180	UNS	USA	Steel, Plate, Wire, Rod, Tube and Forging
SA-29 1018	ASME	USA	Steel, Plate, Wire, Rod, Tube and Forging
SA-311 1018 Class A	ASME	USA	Steel, Plate, Wire, Rod, Tube and Forging
SA-513 1018	ASME	USA	Steel, Plate, Wire, Rod, Tube and Forging

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