

Material: JIS SCW 480

Standard Specification for Steel Castings for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: JIS SCW 480 Steel Castings for Pressure Purposes

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 max.	Normalizing or Quenching or Solution Annealing	
Silicon	Si %	0.800 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	0.500 max.		
Nickel	Ni %	0.500 max.		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	480 min.
-	-	-	Yield Strength in Mpa	275 min.
-	-	-	Elongation in %	20 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	27 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN 10213 G17Mn5	BS	British	Plate, Tubes and Forging
GS-16 Mn 5	DIN	Germany	Plate, Tubes and Forging
SC 480	JIS	Japan	Casting
SCW 490-CF	JIS	Japan	Casting
G 17 Mn 5	MSZ	Hungary	Casting
G 17 Mn 5	UNI	Italy	Casting
G 17 Mn 5	UNE	Spain	Casting

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