

Material: BS 660

Standard Specification for Steel Castings for General Engineering Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: BS 660 Steel Castings for General Engineering Purposes

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.100 - 0.150	As Cast or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	0.450 max.		
Manganese	Mn %	0.400 - 0.700		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	0.300 - 0.500		
Molybdenum	Mo %	0.400 - 0.600		
Nickel	Ni %	0.300 max.		
Copper	Cu %	0.300 max.		
Tin	Sn %	0.050 max.		
			Mechanical Properties	
Vanadium	V %	0.220 - 0.350	Tensile Strength in Mpa	460 - 660
Iron	Fe %	Balance	Yield Strength in Mpa	295 min.
-	-	-	Elongation in %	17 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B7	BS	British	Casting
2074/L5H	AS	Australia	Casting
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-	-	-	-
-	-	-	-
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