

Material: SS 1.6220

Standard Specification for Steel Castings for General Engineering Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: SS 1.6220 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		
Carbon	C %	0.170 - 0.230
Silicon	Si %	0.600 max.
Manganese	Mn %	1.000 - 1.600
Phosphorus	P %	0.020 max.
Sulphur	S %	0.020 max.
Chromium	Cr %	0.300 max.
Molybdenum	Mo %	0.150 max.
Nickel	Ni %	0.800 max.
Copper	Cu %	0.300 max.
Vanadium	V %	0.050 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

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

Mechanical Properties	
Tensile Strength in Mpa	480 - 650
Yield Strength in Mpa	300 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	50 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AM2	BS	British	Casting
2074/C3	AS	Australia	Casting
1.622	ONORM	Australia	Casting
1.622	EN	European Union	Casting
1.622	BDS	Bulgaria	Casting
1.622	DIN	Germany	Casting
1.622	UNE	Spain	Casting

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